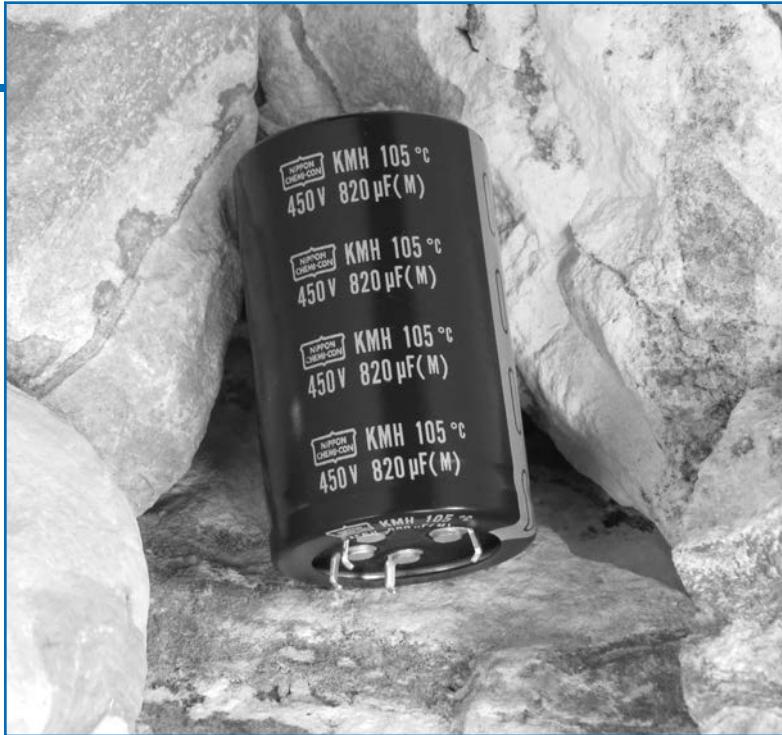


- Snap Mount
- Large Capacitance
- High CV
- High Ripple
- RoHS Compliant
- +105°C Maximum Temperature



The KMH series capacitors are the standard +105°C high temperature, large capacitance snap-in capacitors that offer a wide voltage range of 6.3 to 450VDC. The endurance for the KMH series is 2,000 hours at +105°C with the rated ripple current applied. With very high CV values and high ripple current capabilities these capacitors are ideal for use in power supply filter circuits.

All KMH series capacitors are RoHS compliant and available in a variety of sizes, with or without an end disk, and encased in a standard Pb-free PVC sleeve or an optional PET sleeve. The KMH capacitors are available with snap-in terminals (2 or 4-pin) depending on can diameter. Straight standoff terminals (5 pin) are optional for the 40mm can diameter.

## Summary of Specifications

- PC board 2 or 4-pin snap-in; optional 5-pin ( $\varnothing 40$  only) straight standoff terminals.
- Capacitance range: 47 to 220,000 $\mu$ F.
- Voltage range: 6.3 to 450VDC.
- Category temperature range: -40°C to +105°C for 6.3 to 100V; -25°C to +105°C for 160 to 450V.
- Leakage current: 0.02CV( $\mu$ A) or 3mA, whichever is smaller, after 5 minutes at +20°C.
- Standard capacitance tolerance:  $\pm 20\%$
- Nominal case size (D  $\times$  L): 22  $\times$  20mm to 40  $\times$  80mm.
- Rated lifetime: 2,000 hours at +105°C with the rated ripple current applied.

# KMH Series

## KMH Specifications - Snap Mount

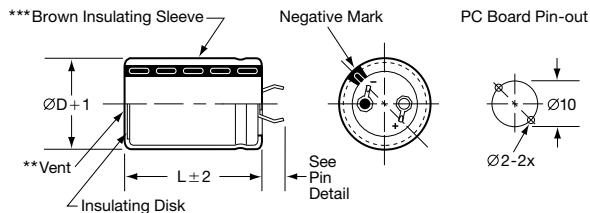
| Item                             | Characteristics   |       |       |        |         |         |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
|----------------------------------|---|-------|-------|--------|---------|---------|--------|---------|---------|--|-------------------|--------|-------|-------|--------|---------|---------|--------|---------------------|---------|------------------|------|-------|-------|------|-------|---------------------|---------|-------|------|------|------|------|------|---------|------|------|------|------|------|------|----------|------|------|------|------|------|------|----------|------|------|------|------|------|------|
| Category Temperature Range       | – 40 to +105°C for 6.3 to 100VDC; – 25 to +105°C for 160 to 450VDC  |       |       |        |         |         |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Rated Voltage Range              | 6.3 to 450VDC   |       |       |        |         |         |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Capacitance Range                | 47 to 220,000µF   |       |       |        |         |         |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Capacitance Tolerance            | $\pm 20\%$ (M) at +20°C, 120Hz  |       |       |        |         |         |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Leakage Current                  | I = 0.02CV ( $\mu$ A) or 3mA, whichever is smaller, after 5 minutes at +20°C.<br>Where I = Max. leakage current ( $\mu$ A), C = Nominal capacitance ( $\mu$ F) and V = Rated voltage (V)  |       |       |        |         |         |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Dissipation Factor (Tan δ)       | At +20°C, 120Hz<br><table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Rated Voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63-100</td> <td>160-250</td> <td>315-450</td> </tr> <tr> <td>Tan δ (DF) Max.†</td> <td>0.60</td> <td>0.50</td> <td>0.40</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td>0.15</td> <td>0.10*</td> <td>0.15</td> </tr> </table> <p>*0.15 maximum for 35mm and 40mm diameter or 20mm in length.<br/>†For rated voltages ≤63V, values are not valid for case sizes &gt;35mm in diameter or &gt;50mm in length.</p>   |       |       |        |         |         |        |         |         |  | Rated Voltage (V) | 6.3    | 10    | 16    | 25     | 35      | 50      | 63-100 | 160-250             | 315-450 | Tan δ (DF) Max.† | 0.60 | 0.50  | 0.40  | 0.30 | 0.25  | 0.20                | 0.15    | 0.10* | 0.15 |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Rated Voltage (V)                | 6.3   | 10    | 16    | 25     | 35      | 50      | 63-100 | 160-250 | 315-450 |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Tan δ (DF) Max.†                 | 0.60  | 0.50  | 0.40  | 0.30   | 0.25    | 0.20    | 0.15   | 0.10*   | 0.15    |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Low Temperature Characteristics  | At 120Hz, impedance (Z) ratio between the – 25°C or – 40°C value and +20°C value shall not exceed the values given below.   |       |       |        |         |         |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
|                                  | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Rated Voltage (V)</td> <td>6.3-16</td> <td>25</td> <td>35</td> <td>50, 63</td> <td>80, 100</td> <td>160-400</td> <td>450</td> </tr> <tr> <td>Z(–25°C) / Z(+20°C)</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>4</td> <td>8</td> </tr> <tr> <td>Z(–40°C) / Z(+20°C)</td> <td>15</td> <td>10</td> <td>8</td> <td>6</td> <td>5</td> <td>—</td> <td>—</td> </tr> </table>   |       |       |        |         |         |        |         |         |  | Rated Voltage (V) | 6.3-16 | 25    | 35    | 50, 63 | 80, 100 | 160-400 | 450    | Z(–25°C) / Z(+20°C) | 4       | 3                | 3    | 2     | 2     | 4    | 8     | Z(–40°C) / Z(+20°C) | 15      | 10    | 8    | 6    | 5    | —    | —    |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Rated Voltage (V)                | 6.3-16  | 25    | 35    | 50, 63 | 80, 100 | 160-400 | 450    |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Z(–25°C) / Z(+20°C)              | 4   | 3     | 3     | 2      | 2       | 4       | 8      |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Z(–40°C) / Z(+20°C)              | 15  | 10    | 8     | 6      | 5       | —       | —      |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Rated Ripple Current Multipliers | Ambient Temperature (°C)<br><table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>+45°C</td> <td>+60°C</td> <td>+70°C</td> <td>+85°C</td> <td>+105°C</td> </tr> <tr> <td>2.64</td> <td>2.23</td> <td>2.12</td> <td>1.73</td> <td>1.00</td> </tr> </table> Frequency (Hz)<br><table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>DC Rated Voltage</td> <td>50Hz</td> <td>120Hz</td> <td>300Hz</td> <td>1kHz</td> <td>10kHz</td> <td>100kHz</td> </tr> <tr> <td>6.3-50V</td> <td>0.95</td> <td>1.00</td> <td>1.03</td> <td>1.05</td> <td>1.08</td> <td>1.08</td> </tr> <tr> <td>63-100V</td> <td>0.92</td> <td>1.00</td> <td>1.07</td> <td>1.13</td> <td>1.19</td> <td>1.20</td> </tr> <tr> <td>160-250V</td> <td>0.81</td> <td>1.00</td> <td>1.17</td> <td>1.32</td> <td>1.45</td> <td>1.50</td> </tr> <tr> <td>315-450V</td> <td>0.77</td> <td>1.00</td> <td>1.16</td> <td>1.30</td> <td>1.41</td> <td>1.43</td> </tr> </table> |       |       |        |         |         |        |         |         |  | +45°C             | +60°C  | +70°C | +85°C | +105°C | 2.64    | 2.23    | 2.12   | 1.73                | 1.00    | DC Rated Voltage | 50Hz | 120Hz | 300Hz | 1kHz | 10kHz | 100kHz              | 6.3-50V | 0.95  | 1.00 | 1.03 | 1.05 | 1.08 | 1.08 | 63-100V | 0.92 | 1.00 | 1.07 | 1.13 | 1.19 | 1.20 | 160-250V | 0.81 | 1.00 | 1.17 | 1.32 | 1.45 | 1.50 | 315-450V | 0.77 | 1.00 | 1.16 | 1.30 | 1.41 | 1.43 |
| +45°C                            | +60°C   | +70°C | +85°C | +105°C |         |         |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| 2.64                             | 2.23  | 2.12  | 1.73  | 1.00   |         |         |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| DC Rated Voltage                 | 50Hz  | 120Hz | 300Hz | 1kHz   | 10kHz   | 100kHz  |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| 6.3-50V                          | 0.95  | 1.00  | 1.03  | 1.05   | 1.08    | 1.08    |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| 63-100V                          | 0.92  | 1.00  | 1.07  | 1.13   | 1.19    | 1.20    |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| 160-250V                         | 0.81  | 1.00  | 1.17  | 1.32   | 1.45    | 1.50    |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| 315-450V                         | 0.77  | 1.00  | 1.16  | 1.30   | 1.41    | 1.43    |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Endurance (Load Life)            | The following specifications shall be satisfied when the capacitors are restored to +20°C after subjecting them to DC voltage for 2,000 hours at +105°C with the rated ripple current applied. The sum of the DC voltage and peak AC voltage must not exceed the full rated voltage of the capacitors.<br><br>Capacitance change: $\leq \pm 20\%$ of initial measured value<br>Tan δ (DF) : $\leq 200\%$ of initial specified value<br>Leakage current : $\leq$ initial specified value   |       |       |        |         |         |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |
| Shelf Life                       | The following specifications shall be satisfied when the capacitors are restored to +20°C after exposing them for 1,000 hours at +105°C without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements.<br><br>Capacitance change: $\leq \pm 20\%$ of initial measured value<br>Tan δ (DF) : $\leq 150\%$ of initial specified value<br>Leakage current : $\leq$ initial specified value   |       |       |        |         |         |        |         |         |  |                   |        |       |       |        |         |         |        |                     |         |                  |      |       |       |      |       |                     |         |       |      |      |      |      |      |         |      |      |      |      |      |      |          |      |      |      |      |      |      |          |      |      |      |      |      |      |

# KMH Series

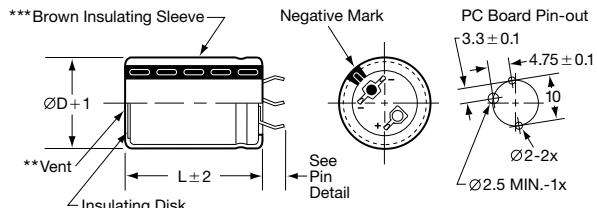
## Diagram of Dimensions - Snap Mount

### Snap Mount

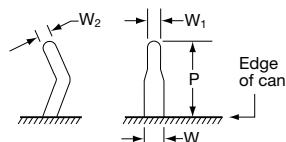
VSN Snap-in Ø22 and Ø35 standard  
VNN Snap-in Ø22 and Ø35 optional



VEN Snap-in Ø30 and Ø35 optional



VS, VE & VN Snap-in Pin Dimensions

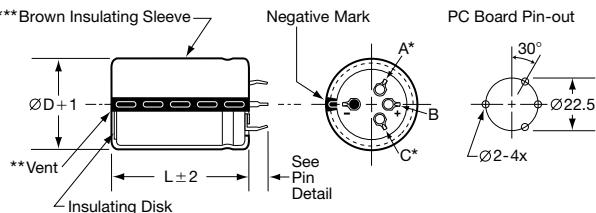


| Type        | P         | W         | W <sub>1</sub> | W <sub>2</sub> |
|-------------|-----------|-----------|----------------|----------------|
| VSN Ø22-Ø30 | 4.0 ± 0.5 |           |                |                |
| VSN Ø35     | 3.5 ± 0.5 |           |                |                |
| VNN Ø22-Ø35 | 5.8 ± 1.0 | 1.5 ± 0.2 | 0.8 ± 0.1      | 0.8 ± 0.1      |
| VEN Ø30-Ø35 | 4.0 ± 0.5 |           |                |                |
| VSD Ø35-Ø40 | 3.5 ± 1.0 |           |                |                |
| VND Ø35-Ø40 | 5.8 ± 1.0 |           |                |                |

### Snap Mount

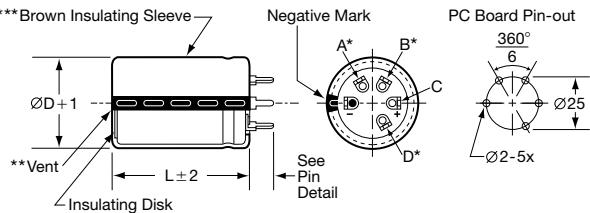
Unit: mm

VND Snap-in Ø35 and Ø40 standard  
VSD Snap-in Ø35 and Ø40 optional

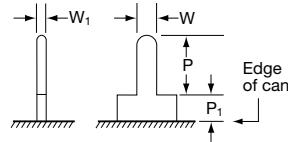


### Straight Pin Mount

VQT Straight Standoff Ø40 optional



VQ Straight Standoff Pin Dimensions



| Type              | P          | P <sub>1</sub> | W         | W <sub>1</sub> |
|-------------------|------------|----------------|-----------|----------------|
| Standoff Pin (VQ) | 3.75 ± 1.0 | 2.0 max.       | 1.5 ± 0.1 | 0.7 ± 0.2      |

### CAUTION:

\*Use the blank terminals for mechanical support only. The blank terminals must not be connected to a solder trace on the PC board but be electrically isolated from the negative and positive terminals.

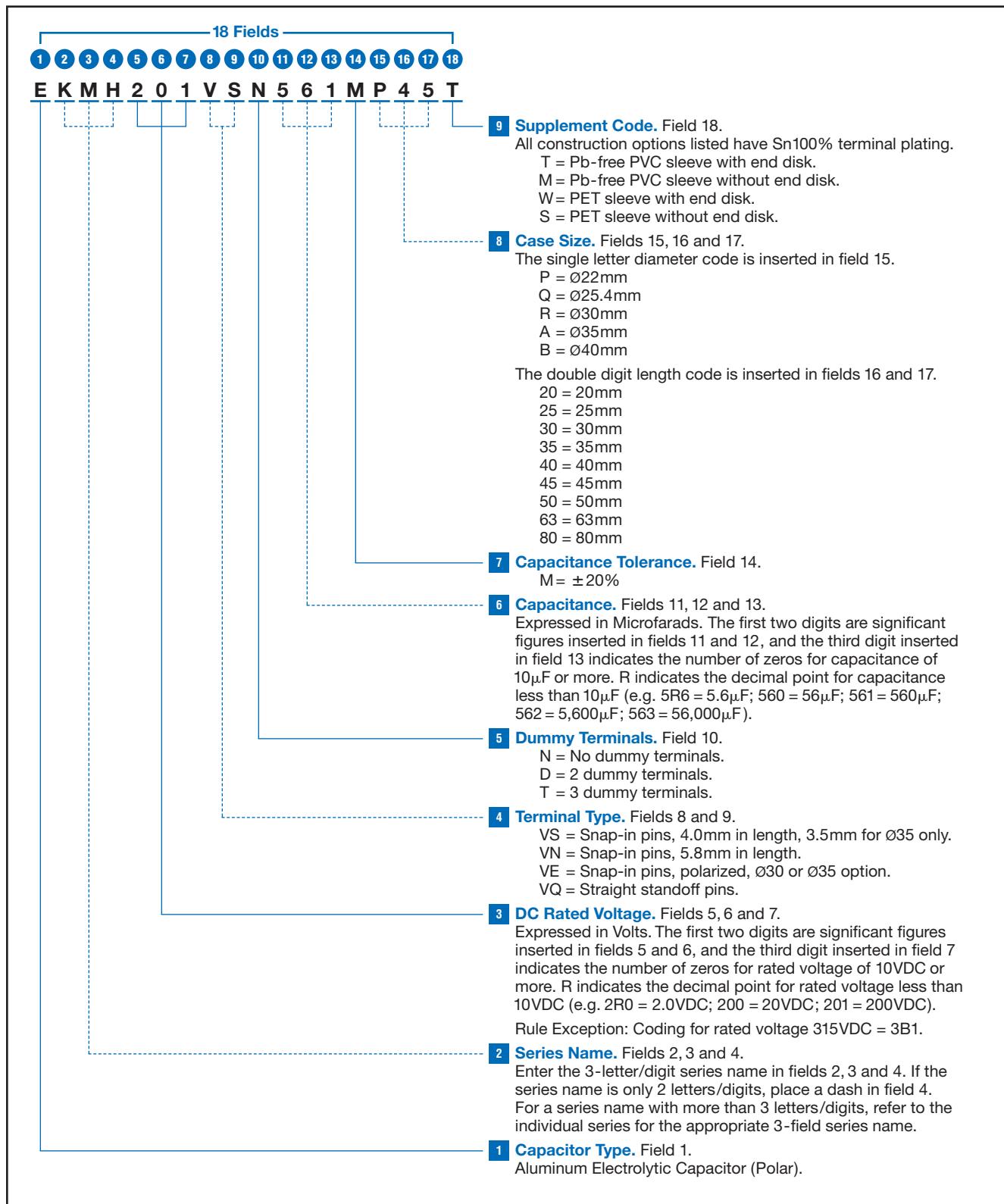
\*\*The vent may be located either on the bottom or side of the can.

\*\*\*The brown sleeve with gray stripe negative pin indicator is standard. Also note in some cases, the sleeve color may change slightly due to the operating conditions, however, the discoloration will not impair capacitor function.

# KMH Series

## Part Numbering System for KMH Series

When ordering, always specify complete 18-field global part number.



SNAP MOUNT  
KMH  
105°C

# KMH Series

## Standard Voltage Ratings - Snap Mount

KMH  
SNAP MOUNT 105°C

| Rated Voltage (WVDC)       | Capacitance (μF) | Global Part Number† | Nominal Case Size* D × L (mm) | Case Size Code | Maximum ESR (Ω) at +20°C, 120Hz | Rated Ripple Current (A rms) at +105°C, 120Hz |
|----------------------------|------------------|---------------------|-------------------------------|----------------|---------------------------------|---|
| 6.3 Volts<br>8 Volts Surge | 12,000           | EKMH6R3VSN123MP25T  | 22 × 25                       | P25            | 0.083                           | 1.54  |
|                            | 15,000           | EKMH6R3VSN153MP25T  | 22 × 25                       | P25            | 0.066                           | 1.72  |
|                            | 18,000           | EKMH6R3VSN183MP30T  | 22 × 30                       | P30            | 0.055                           | 1.95  |
|                            | 22,000           | EKMH6R3VSN223MP35T  | 22 × 35                       | P35            | 0.045                           | 2.23  |
|                            | 27,000           | EKMH6R3VSN273MP40T  | 22 × 40                       | P40            | 0.037                           | 2.54  |
|                            | 33,000           | EKMH6R3VSN333MP45T  | 22 × 45                       | P45            | 0.03                            | 2.88  |
|                            | 18,000           | EKMH6R3VSN183MQ25T  | 25.4 × 25                     | Q25            | 0.055                           | 1.96  |
|                            | 22,000           | EKMH6R3VSN223MQ30T  | 25.4 × 30                     | Q30            | 0.045                           | 2.25  |
|                            | 27,000           | EKMH6R3VSN273MQ35T  | 25.4 × 35                     | Q35            | 0.037                           | 2.57  |
|                            | 33,000           | EKMH6R3VSN333MQ40T  | 25.4 × 40                     | Q40            | 0.03                            | 2.93  |
|                            | 39,000           | EKMH6R3VSN393MQ40T  | 25.4 × 40                     | Q40            | 0.026                           | 3.18  |
|                            | 47,000           | EKMH6R3VSN473MQ50T  | 25.4 × 50                     | Q50            | 0.021                           | 3.69  |
|                            | 22,000           | EKMH6R3VSN223MR25T  | 30 × 25                       | R25            | 0.045                           | 2.28  |
|                            | 27,000           | EKMH6R3VSN273MR25T  | 30 × 25                       | R25            | 0.037                           | 2.52  |
|                            | 33,000           | EKMH6R3VSN333MR30T  | 30 × 30                       | R30            | 0.03                            | 2.89  |
|                            | 39,000           | EKMH6R3VSN393MR35T  | 30 × 35                       | R35            | 0.026                           | 3.26  |
|                            | 47,000           | EKMH6R3VSN473MR40T  | 30 × 40                       | R40            | 0.021                           | 3.69  |
|                            | 56,000           | EKMH6R3VSN563MR45T  | 30 × 45                       | R45            | 0.018                           | 4.16  |
|                            | 68,000           | EKMH6R3VSN683MR50T  | 30 × 50                       | R50            | 0.015                           | 4.71  |
|                            | 33,000           | EKMH6R3VSN333MA25T  | 35 × 25                       | A25            | 0.03                            | 2.93  |
|                            | 39,000           | EKMH6R3VSN393MA30T  | 35 × 30                       | A30            | 0.026                           | 3.4   |
|                            | 47,000           | EKMH6R3VSN473MA30T  | 35 × 30                       | A30            | 0.021                           | 3.73  |
|                            | 56,000           | EKMH6R3VSN563MA35T  | 35 × 35                       | A35            | 0.018                           | 4.12  |
|                            | 68,000           | EKMH6R3VSN683MA40T  | 35 × 40                       | A40            | 0.015                           | 4.69  |
|                            | 82,000           | EKMH6R3VSN823MA45T  | 35 × 45                       | A45            | 0.012                           | 5.32  |
|                            | 120,000          | EKMH6R3VND124MA63T  | 35 × 63                       | A63            | 0.011                           | 6.9   |
|                            | 180,000          | EKMH6R3VND184MA80T  | 35 × 80                       | A80            | 0.008                           | 9.04  |
|                            | 56,000           | EKMH6R3VND563MB25T  | 40 × 25                       | B25            | 0.026                           | 3.87  |
|                            | 68,000           | EKMH6R3VND683MB30T  | 40 × 30                       | B30            | 0.02                            | 4.47  |
|                            | 82,000           | EKMH6R3VND823MB35T  | 40 × 35                       | B35            | 0.018                           | 5.09  |
|                            | 100,000          | EKMH6R3VND104MB40T  | 40 × 40                       | B40            | 0.014                           | 5.79  |
|                            | 150,000          | EKMH6R3VND154MB50T  | 40 × 50                       | B50            | 0.011                           | 7.54  |
|                            | 180,000          | EKMH6R3VND184MB63T  | 40 × 63                       | B63            | 0.009                           | 8.82  |
|                            | 220,000          | EKMH6R3VND224MB80T  | 40 × 80                       | B80            | 0.008                           | 10.61   |
| 10 Volts<br>13 Volts Surge | 10,000           | EKMH100VSN103MP25T  | 22 × 25                       | P25            | 0.083                           | 1.55  |
|                            | 12,000           | EKMH100VSN123MP30T  | 22 × 30                       | P30            | 0.069                           | 1.77  |
|                            | 15,000           | EKMH100VSN153MP30T  | 22 × 30                       | P30            | 0.055                           | 1.97  |
|                            | 18,000           | EKMH100VSN183MP35T  | 22 × 35                       | P35            | 0.046                           | 2.21  |
|                            | 22,000           | EKMH100VSN223MP40T  | 22 × 40                       | P40            | 0.038                           | 2.51  |
|                            | 27,000           | EKMH100VSN273MP50T  | 22 × 50                       | P50            | 0.031                           | 2.93  |
|                            | 15,000           | EKMH100VSN153MQ25T  | 25.4 × 25                     | Q25            | 0.055                           | 1.96  |
|                            | 18,000           | EKMH100VSN183MQ30T  | 25.4 × 30                     | Q30            | 0.046                           | 2.23  |
|                            | 22,000           | EKMH100VSN223MQ35T  | 25.4 × 35                     | Q35            | 0.038                           | 2.54  |
|                            | 27,000           | EKMH100VSN273MQ40T  | 25.4 × 40                     | Q40            | 0.031                           | 2.9   |
|                            | 33,000           | EKMH100VSN333MQ45T  | 25.4 × 45                     | Q45            | 0.025                           | 3.3   |
|                            | 39,000           | EKMH100VSN393MQ50T  | 25.4 × 50                     | Q50            | 0.021                           | 3.68  |
|                            | 22,000           | EKMH100VSN223MR25T  | 30 × 25                       | R25            | 0.038                           | 2.4   |
|                            | 27,000           | EKMH100VSN273MR30T  | 30 × 30                       | R30            | 0.031                           | 2.87  |
|                            | 33,000           | EKMH100VSN333MR35T  | 30 × 35                       | R35            | 0.025                           | 3.28  |
|                            | 39,000           | EKMH100VSN393MR40T  | 30 × 40                       | R40            | 0.021                           | 3.69  |
|                            | 47,000           | EKMH100VSN473MR45T  | 30 × 45                       | R45            | 0.018                           | 4.17  |
|                            | 56,000           | EKMH100VSN563MR50T  | 30 × 50                       | R50            | 0.015                           | 4.68  |
|                            | 27,000           | EKMH100VSN273MA25T  | 35 × 25                       | A25            | 0.031                           | 2.73  |
|                            | 33,000           | EKMH100VSN333MA30T  | 35 × 30                       | A30            | 0.025                           | 3.16  |
|                            | 39,000           | EKMH100VSN393MA30T  | 35 × 30                       | A30            | 0.021                           | 3.43  |
|                            | 47,000           | EKMH100VSN473MA35T  | 35 × 35                       | A35            | 0.018                           | 3.76  |
|                            | 56,000           | EKMH100VSN563MA40T  | 35 × 40                       | A40            | 0.015                           | 4.67  |
|                            | 68,000           | EKMH100VSN683MA50T  | 35 × 50                       | A50            | 0.012                           | 5.46  |

†For construction and terminal options, refer to the part numbering system for descriptions and codes.

\* Refer to diagram of dimensions for detailed case size specifications.

# KMH Series

## Standard Voltage Ratings - Snap Mount

| Rated Voltage (WVDC)       | Capacitance ( $\mu\text{F}$ ) | Global Part Number† | Nominal Case Size* D × L (mm) | Case Size Code | Maximum ESR ( $\Omega$ ) at +20°C, 120Hz | Rated Ripple Current (A rms) at +105°C, 120Hz |
|----------------------------|-------------------------------|---------------------|-------------------------------|----------------|--|---|
| 10 Volts<br>13 Volts Surge | 100,000                       | EKMH100VND104MA63T  | 35 × 63                       | A63            | 0.011                                    | 6.9   |
|                            | 120,000                       | EKMH100VND124MA80T  | 35 × 80                       | A80            | 0.009                                    | 8.08  |
|                            | 39,000                        | EKMH100VND393MB25T  | 40 × 25                       | B25            | 0.027                                    | 3.54  |
|                            | 56,000                        | EKMH100VND563MB30T  | 40 × 30                       | B30            | 0.021                                    | 4.44  |
|                            | 68,000                        | EKMH100VND683MB35T  | 40 × 35                       | B35            | 0.018                                    | 5.08  |
|                            | 82,000                        | EKMH100VND823MB40T  | 40 × 40                       | B40            | 0.015                                    | 5.75  |
|                            | 120,000                       | EKMH100VND124MB50T  | 40 × 50                       | B50            | 0.012                                    | 7.39  |
|                            | 150,000                       | EKMH100VND154MB63T  | 40 × 63                       | B63            | 0.009                                    | 8.82  |
|                            | 180,000                       | EKMH100VND184MB80T  | 40 × 80                       | B80            | 0.008                                    | 10.51   |
| 16 Volts<br>20 Volts Surge | 6,800                         | EKMH160VSN682MP25T  | 22 × 25                       | P25            | 0.098                                    | 1.57  |
|                            | 10,000                        | EKMH160VSN103MP30T  | 22 × 30                       | P30            | 0.066                                    | 1.97  |
|                            | 12,000                        | EKMH160VSN123MP35T  | 22 × 35                       | P35            | 0.055                                    | 2.22  |
|                            | 15,000                        | EKMH160VSN153MP40T  | 22 × 40                       | P40            | 0.044                                    | 2.55  |
|                            | 18,000                        | EKMH160VSN183MP45T  | 22 × 45                       | P45            | 0.037                                    | 2.87  |
|                            | 10,000                        | EKMH160VSN103MQ25T  | 25.4 × 25                     | Q25            | 0.066                                    | 1.97  |
|                            | 12,000                        | EKMH160VSN123MQ30T  | 25.4 × 30                     | Q30            | 0.055                                    | 2.24  |
|                            | 15,000                        | EKMH160VSN153MQ35T  | 25.4 × 35                     | Q35            | 0.044                                    | 2.58  |
|                            | 18,000                        | EKMH160VSN183MQ40T  | 25.4 × 40                     | Q40            | 0.037                                    | 2.92  |
|                            | 22,000                        | EKMH160VSN223MQ45T  | 25.4 × 45                     | Q45            | 0.03                                     | 3.32  |
|                            | 27,000                        | EKMH160VSN273MQ50T  | 25.4 × 50                     | Q50            | 0.025                                    | 3.78  |
|                            | 12,000                        | EKMH160VSN123MR25T  | 30 × 25                       | R25            | 0.055                                    | 2.45  |
|                            | 15,000                        | EKMH160VSN153MR25T  | 30 × 25                       | R25            | 0.044                                    | 2.52  |
|                            | 18,000                        | EKMH160VSN183MR30T  | 30 × 30                       | R30            | 0.037                                    | 2.88  |
|                            | 22,000                        | EKMH160VSN223MR35T  | 30 × 35                       | R35            | 0.03                                     | 3.29  |
|                            | 27,000                        | EKMH160VSN273MR40T  | 30 × 40                       | R40            | 0.025                                    | 3.77  |
|                            | 33,000                        | EKMH160VSN333MR45T  | 30 × 45                       | R45            | 0.02                                     | 4.3   |
|                            | 39,000                        | EKMH160VSN393MR50T  | 30 × 50                       | R50            | 0.017                                    | 4.81  |
|                            | 18,000                        | EKMH160VSN183MA25T  | 35 × 25                       | A25            | 0.037                                    | 2.92  |
|                            | 22,000                        | EKMH160VSN223MA25T  | 35 × 25                       | A25            | 0.03                                     | 3.23  |
|                            | 27,000                        | EKMH160VSN273MA30T  | 35 × 30                       | A30            | 0.025                                    | 3.45  |
|                            | 33,000                        | EKMH160VSN333MA35T  | 35 × 35                       | A35            | 0.02                                     | 4.26  |
|                            | 39,000                        | EKMH160VSN393MA40T  | 35 × 40                       | A40            | 0.017                                    | 4.79  |
|                            | 47,000                        | EKMH160VSN473MA45T  | 35 × 45                       | A45            | 0.014                                    | 5.43  |
|                            | 68,000                        | EKMH160VND683MA63T  | 35 × 63                       | A63            | 0.012                                    | 6.36  |
|                            | 100,000                       | EKMH160VND104MA80T  | 35 × 80                       | A80            | 0.009                                    | 8.25  |
|                            | 33,000                        | EKMH160VND333MB25T  | 40 × 25                       | B25            | 0.027                                    | 3.64  |
|                            | 39,000                        | EKMH160VND333MB30T  | 40 × 30                       | B30            | 0.021                                    | 4.15  |
|                            | 47,000                        | EKMH160VND333MB35T  | 40 × 35                       | B35            | 0.018                                    | 4.72  |
|                            | 56,000                        | EKMH160VND333MB40T  | 40 × 40                       | B40            | 0.015                                    | 5.31  |
|                            | 82,000                        | EKMH160VND333MB50T  | 40 × 50                       | B50            | 0.012                                    | 6.83  |
|                            | 100,000                       | EKMH160VND333MB63T  | 40 × 63                       | B63            | 0.010                                    | 8.05  |
|                            | 150,000                       | EKMH160VND333MB80T  | 40 × 80                       | B80            | 0.008                                    | 10.73   |
| 25 Volts<br>32 Volts Surge | 4,700                         | EKMH250VSN472MP25T  | 22 × 25                       | P25            | 0.106                                    | 1.5   |
|                            | 5,600                         | EKMH250VSN562MP25T  | 22 × 25                       | P25            | 0.089                                    | 1.63  |
|                            | 6,800                         | EKMH250VSN682MP30T  | 22 × 30                       | P30            | 0.073                                    | 1.86  |
|                            | 8,200                         | EKMH250VSN822MP35T  | 22 × 35                       | P35            | 0.061                                    | 2.11  |
|                            | 10,000                        | EKMH250VSN103MP40T  | 22 × 40                       | P40            | 0.05                                     | 2.39  |
|                            | 12,000                        | EKMH250VSN123MP45T  | 22 × 45                       | P45            | 0.041                                    | 2.69  |
|                            | 6,800                         | EKMH250VSN682MQ25T  | 25.4 × 25                     | Q25            | 0.073                                    | 1.87  |
|                            | 8,200                         | EKMH250VSN822MQ30T  | 25.4 × 30                     | Q30            | 0.061                                    | 2.12  |
|                            | 10,000                        | EKMH250VSN103MQ35T  | 25.4 × 35                     | Q35            | 0.05                                     | 2.42  |
|                            | 12,000                        | EKMH250VSN123MQ40T  | 25.4 × 40                     | Q40            | 0.041                                    | 2.74  |
|                            | 15,000                        | EKMH250VSN153MQ45T  | 25.4 × 45                     | Q45            | 0.033                                    | 3.15  |
|                            | 18,000                        | EKMH250VSN183MQ50T  | 25.4 × 50                     | Q50            | 0.028                                    | 3.54  |
|                            | 8,200                         | EKMH250VSN822MR25T  | 30 × 25                       | R25            | 0.061                                    | 2.15  |
|                            | 10,000                        | EKMH250VSN103MR25T  | 30 × 25                       | R25            | 0.05                                     | 2.37  |
|                            | 12,000                        | EKMH250VSN123MR30T  | 30 × 30                       | R30            | 0.041                                    | 2.7   |
|                            | 15,000                        | EKMH250VSN153MR35T  | 30 × 35                       | R35            | 0.033                                    | 3.13  |

†For construction and terminal options, refer to the part numbering system for descriptions and codes.

\*Refer to diagram of dimensions for detailed case size specifications.

KMH  
SNAP MOUNT 105°C

# KMH Series

## Standard Voltage Ratings - Snap Mount

| Rated Voltage (WVDC)       | Capacitance ( $\mu\text{F}$ ) | Global Part Number† | Nominal Case Size* D × L (mm) | Case Size Code | Maximum ESR ( $\Omega$ ) at +20°C, 120Hz | Rated Ripple Current (A rms) at +105°C, 120Hz |
|----------------------------|-------------------------------|---------------------|-------------------------------|----------------|--|---|
| 25 Volts<br>32 Volts Surge | 18,000                        | EKMH250VSN183MR40T  | 30 × 40                       | R40            | 0.028                                    | 3.54  |
|                            | 22,000                        | EKMH250VSN223MR45T  | 30 × 45                       | R45            | 0.023                                    | 4.04  |
|                            | 12,000                        | EKMH250VSN123MA25T  | 35 × 25                       | A25            | 0.041                                    | 2.74  |
|                            | 15,000                        | EKMH250VSN153MA30T  | 35 × 30                       | A30            | 0.033                                    | 3.27  |
|                            | 18,000                        | EKMH250VSN183MA30T  | 35 × 30                       | A30            | 0.028                                    | 3.58  |
|                            | 22,000                        | EKMH250VSN223MA35T  | 35 × 35                       | A35            | 0.023                                    | 3.64  |
|                            | 27,000                        | EKMH250VSN273MA45T  | 35 × 45                       | A45            | 0.018                                    | 4.73  |
|                            | 33,000                        | EKMH250VSN333MA50T  | 35 × 50                       | A50            | 0.015                                    | 5.39  |
|                            | 47,000                        | EKMH250VND473MA63T  | 35 × 63                       | A63            | 0.012                                    | 6.11  |
|                            | 68,000                        | EKMH250VND683MA80T  | 35 × 80                       | A80            | 0.009                                    | 7.86  |
|                            | 18,000                        | EKMH250VND183MB25T  | 40 × 25                       | B25            | 0.029                                    | 3.11  |
|                            | 27,000                        | EKMH250VND273MB30T  | 40 × 30                       | B30            | 0.021                                    | 3.98  |
|                            | 33,000                        | EKMH250VND333MB35T  | 40 × 35                       | B35            | 0.018                                    | 4.57  |
|                            | 39,000                        | EKMH250VND393MB40T  | 40 × 40                       | B40            | 0.015                                    | 5.12  |
|                            | 47,000                        | EKMH250VND473MB50T  | 40 × 50                       | B50            | 0.013                                    | 5.97  |
|                            | 68,000                        | EKMH250VND683MB63T  | 40 × 63                       | B63            | 0.010                                    | 7.67  |
|                            | 82,000                        | EKMH250VND823MB80T  | 40 × 80                       | B80            | 0.008                                    | 9.16  |
| 35 Volts<br>44 Volts Surge | 3,300                         | EKMH350VSN332MP25T  | 22 × 25                       | P25            | 0.126                                    | 1.4   |
|                            | 3,900                         | EKMH350VSN392MP30T  | 22 × 30                       | P30            | 0.106                                    | 1.57  |
|                            | 4,700                         | EKMH350VSN472MP30T  | 22 × 30                       | P30            | 0.088                                    | 1.72  |
|                            | 5,600                         | EKMH350VSN562MP35T  | 22 × 35                       | P35            | 0.074                                    | 1.95  |
|                            | 6,800                         | EKMH350VSN682MP40T  | 22 × 40                       | P40            | 0.061                                    | 2.2   |
|                            | 8,200                         | EKMH350VSN822MP50T  | 22 × 50                       | P50            | 0.051                                    | 2.55  |
|                            | 4,700                         | EKMH350VSN472MQ25T  | 25.4 × 25                     | Q25            | 0.088                                    | 1.8   |
|                            | 5,600                         | EKMH350VSN562MQ30T  | 25.4 × 30                     | Q30            | 0.074                                    | 1.96  |
|                            | 6,800                         | EKMH350VSN682MQ35T  | 25.4 × 35                     | Q35            | 0.061                                    | 2.23  |
|                            | 8,200                         | EKMH350VSN822MQ40T  | 25.4 × 40                     | Q40            | 0.051                                    | 2.53  |
|                            | 10,000                        | EKMH350VSN103MQ45T  | 25.4 × 45                     | Q45            | 0.041                                    | 2.87  |
|                            | 12,000                        | EKMH350VSN123MQ50T  | 25.4 × 50                     | Q50            | 0.035                                    | 3.24  |
|                            | 5,600                         | EKMH350VSN562MR25T  | 30 × 25                       | R25            | 0.074                                    | 1.99  |
|                            | 6,800                         | EKMH350VSN682MR25T  | 30 × 25                       | R25            | 0.061                                    | 2.19  |
|                            | 8,200                         | EKMH350VSN822MR30T  | 30 × 30                       | R30            | 0.051                                    | 2.75  |
|                            | 10,000                        | EKMH350VSN103MR35T  | 30 × 35                       | Q35            | 0.041                                    | 2.9   |
|                            | 12,000                        | EKMH350VSN123MR40T  | 30 × 40                       | R40            | 0.035                                    | 3.23  |
|                            | 15,000                        | EKMH350VSN153MR45T  | 30 × 45                       | R45            | 0.028                                    | 3.72  |
|                            | 8,200                         | EKMH350VSN822MA25T  | 35 × 25                       | A25            | 0.051                                    | 2.75  |
|                            | 10,000                        | EKMH350VSN103MA30T  | 35 × 30                       | A30            | 0.041                                    | 2.91  |
|                            | 12,000                        | EKMH350VSN123MA30T  | 35 × 30                       | A30            | 0.035                                    | 2.99  |
|                            | 15,000                        | EKMH350VSN153MA35T  | 35 × 35                       | A35            | 0.028                                    | 3.67  |
|                            | 18,000                        | EKMH350VSN183MA40T  | 35 × 40                       | A40            | 0.023                                    | 4.37  |
|                            | 22,000                        | EKMH350VSN223MA50T  | 35 × 50                       | A50            | 0.019                                    | 4.92  |
|                            | 33,000                        | EKMH350VND333MA63T  | 35 × 63                       | A63            | 0.012                                    | 5.60  |
|                            | 39,000                        | EKMH350VND393MA80T  | 35 × 80                       | A80            | 0.010                                    | 6.52  |
|                            | 12,000                        | EKMH350VND123MB25T  | 40 × 25                       | B25            | 0.030                                    | 2.78  |
|                            | 18,000                        | EKMH350VND183MB30T  | 40 × 30                       | B30            | 0.022                                    | 3.56  |
|                            | 22,000                        | EKMH350VND223MB35T  | 40 × 35                       | B35            | 0.019                                    | 4.09  |
|                            | 27,000                        | EKMH350VND273MB40T  | 40 × 40                       | B40            | 0.016                                    | 4.66  |
|                            | 33,000                        | EKMH350VND333MB50T  | 40 × 50                       | B50            | 0.013                                    | 5.48  |
|                            | 47,000                        | EKMH350VND473MB63T  | 40 × 63                       | B63            | 0.010                                    | 6.98  |
|                            | 56,000                        | EKMH350VND563MB80T  | 40 × 80                       | B80            | 0.008                                    | 8.29  |
| 50 Volts<br>63 Volts Surge | 1,800                         | EKMH500VSN182MP25T  | 22 × 25                       | P25            | 0.184                                    | 1.33  |
|                            | 2,700                         | EKMH500VSN272MP30T  | 22 × 30                       | P30            | 0.123                                    | 1.69  |
|                            | 3,300                         | EKMH500VSN332MP35T  | 22 × 35                       | P35            | 0.10                                     | 1.93  |
|                            | 3,900                         | EKMH500VSN392MP40T  | 22 × 40                       | P40            | 0.085                                    | 2.16  |
|                            | 4,700                         | EKMH500VSN472MP45T  | 22 × 45                       | P45            | 0.071                                    | 2.43  |
|                            | 5,600                         | EKMH500VSN562MP50T  | 22 × 50                       | P50            | 0.059                                    | 2.75  |
|                            | 2,700                         | EKMH500VSN272MQ25T  | 25.4 × 25                     | Q25            | 0.123                                    | 1.7   |
|                            | 3,300                         | EKMH500VSN332MQ30T  | 25.4 × 30                     | Q30            | 0.10                                     | 1.85  |

†For construction and terminal options, refer to the part numbering system for descriptions and codes.

\* Refer to diagram of dimensions for detailed case size specifications.

# KMH Series

## Standard Voltage Ratings - Snap Mount

| Rated Voltage (WVDC)       | Capacitance (μF) | Global Part Number† | Nominal Case Size* D × L (mm) | Case Size Code | Maximum ESR (Ω) at +20°C, 120Hz | Rated Ripple Current (A rms) at +105°C, 120Hz |
|----------------------------|------------------|---------------------|-------------------------------|----------------|---------------------------------|---|
| 50 Volts<br>63 Volts Surge | 3,900            | EKMH500VSN392MQ35T  | 25.4 × 35                     | Q35            | 0.085                           | 2.18  |
|                            | 4,700            | EKMH500VSN472MQ35T  | 25.4 × 35                     | Q35            | 0.071                           | 2.39  |
|                            | 5,600            | EKMH500VSN562MQ40T  | 25.4 × 40                     | Q40            | 0.059                           | 2.7   |
|                            | 6,800            | EKMH500VSN682MQ50T  | 25.4 × 50                     | Q50            | 0.049                           | 3.3   |
|                            | 3,900            | EKMH500VSN392MR25T  | 30 × 25                       | R25            | 0.085                           | 1.95  |
|                            | 4,700            | EKMH500VSN472MR30T  | 30 × 30                       | R30            | 0.071                           | 2.25  |
|                            | 5,600            | EKMH500VSN562MR35T  | 30 × 35                       | R35            | 0.059                           | 2.76  |
|                            | 6,800            | EKMH500VSN682MR40T  | 30 × 40                       | R40            | 0.049                           | 3.3   |
|                            | 8,200            | EKMH500VSN822MR45T  | 30 × 45                       | R45            | 0.04                            | 3.6   |
|                            | 10,000           | EKMH500VSN103MR50T  | 30 × 50                       | R50            | 0.033                           | 4.04  |
|                            | 4,700            | EKMH500VSN472MA25T  | 35 × 25                       | A25            | 0.071                           | 2.48  |
|                            | 5,600            | EKMH500VSN562MA25T  | 35 × 25                       | A25            | 0.059                           | 2.7   |
|                            | 6,800            | EKMH500VSN682MA30T  | 35 × 30                       | A30            | 0.049                           | 3.25  |
|                            | 8,200            | EKMH500VSN822MA35T  | 35 × 35                       | A35            | 0.04                            | 3.55  |
|                            | 10,000           | EKMH500VSN103MA40T  | 35 × 40                       | A40            | 0.033                           | 4.03  |
|                            | 12,000           | EKMH500VSN123MA45T  | 35 × 45                       | A45            | 0.028                           | 4.55  |
|                            | 18,000           | EKMH500VND183MA63T  | 35 × 63                       | A63            | 0.014                           | 4.63  |
|                            | 27,000           | EKMH500VND273MA80T  | 35 × 80                       | A80            | 0.011                           | 6.06  |
|                            | 8,200            | EKMH500VND822MB25T  | 40 × 25                       | B25            | 0.035                           | 2.57  |
|                            | 10,000           | EKMH500VND103MB30T  | 40 × 30                       | B30            | 0.027                           | 2.97  |
|                            | 12,000           | EKMH500VND123MB35T  | 40 × 35                       | B35            | 0.023                           | 3.37  |
|                            | 15,000           | EKMH500VND153MB40T  | 40 × 40                       | B40            | 0.019                           | 3.89  |
|                            | 22,000           | EKMH500VND223MB50T  | 40 × 50                       | B50            | 0.015                           | 5.0   |
|                            | 27,000           | EKMH500VND273MB63T  | 40 × 63                       | B63            | 0.012                           | 5.92  |
|                            | 39,000           | EKMH500VND393MB80T  | 40 × 80                       | B80            | 0.009                           | 7.74  |
| 63 Volts<br>79 Volts Surge | 1,200            | EKMH630VSN122MP25T  | 22 × 25                       | P25            | 0.207                           | 1.19  |
|                            | 1,500            | EKMH630VSN152MP25T  | 22 × 25                       | P25            | 0.166                           | 1.33  |
|                            | 1,800            | EKMH630VSN182MP30T  | 22 × 30                       | P30            | 0.138                           | 1.51  |
|                            | 2,200            | EKMH630VSN222MP35T  | 22 × 35                       | P35            | 0.113                           | 1.73  |
|                            | 2,700            | EKMH630VSN272MP40T  | 22 × 40                       | P40            | 0.092                           | 1.97  |
|                            | 3,300            | EKMH630VSN332MP50T  | 22 × 50                       | P50            | 0.075                           | 2.29  |
|                            | 1,800            | EKMH630VSN182MQ25T  | 25.4 × 25                     | Q25            | 0.138                           | 1.52  |
|                            | 2,200            | EKMH630VSN222MQ30T  | 25.4 × 30                     | Q30            | 0.113                           | 1.74  |
|                            | 2,700            | EKMH630VSN272MQ35T  | 25.4 × 35                     | Q35            | 0.092                           | 1.99  |
|                            | 3,300            | EKMH630VSN332MQ40T  | 25.4 × 40                     | Q40            | 0.075                           | 2.27  |
|                            | 3,900            | EKMH630VSN392MQ45T  | 25.4 × 45                     | Q45            | 0.064                           | 2.54  |
|                            | 4,700            | EKMH630VSN472MQ50T  | 25.4 × 50                     | Q50            | 0.053                           | 2.86  |
|                            | 2,700            | EKMH630VSN272MR25T  | 30 × 25                       | R25            | 0.092                           | 1.76  |
|                            | 3,300            | EKMH630VSN332MR30T  | 30 × 30                       | R30            | 0.075                           | 2.24  |
|                            | 3,900            | EKMH630VSN392MR35T  | 30 × 35                       | R35            | 0.064                           | 2.55  |
|                            | 4,700            | EKMH630VSN472MR40T  | 30 × 40                       | R40            | 0.053                           | 2.86  |
|                            | 5,600            | EKMH630VSN562MR45T  | 30 × 45                       | R45            | 0.044                           | 3.22  |
|                            | 6,800            | EKMH630VSN682MR50T  | 30 × 50                       | R50            | 0.037                           | 3.65  |
|                            | 3,300            | EKMH630VSN332MA25T  | 35 × 25                       | A25            | 0.075                           | 2.06  |
|                            | 3,900            | EKMH630VSN392MA25T  | 35 × 25                       | A25            | 0.064                           | 2.24  |
|                            | 4,700            | EKMH630VSN472MA30T  | 35 × 30                       | A30            | 0.053                           | 2.79  |
|                            | 5,600            | EKMH630VSN562MA35T  | 35 × 35                       | A35            | 0.044                           | 3.19  |
|                            | 6,800            | EKMH630VSN682MA40T  | 35 × 40                       | A40            | 0.037                           | 3.64  |
|                            | 8,200            | EKMH630VSN822MA45T  | 35 × 45                       | A45            | 0.03                            | 3.9   |
|                            | 10,000           | EKMH630VSN103MA50T  | 35 × 50                       | A50            | 0.025                           | 4.4   |
|                            | 15,000           | EKMH630VND153MA63T  | 35 × 63                       | A63            | 0.014                           | 4.88  |
|                            | 18,000           | EKMH630VND183MA80T  | 35 × 80                       | A80            | 0.012                           | 5.72  |
|                            | 5,600            | EKMH630VND562MB25T  | 40 × 25                       | B25            | 0.038                           | 2.45  |
|                            | 8,200            | EKMH630VND822MB30T  | 40 × 30                       | B30            | 0.028                           | 3.1   |
|                            | 10,000           | EKMH630VND103MB35T  | 40 × 35                       | B35            | 0.026                           | 3.56  |
|                            | 12,000           | EKMH630VND123MB40T  | 40 × 40                       | B40            | 0.02                            | 4.01  |
|                            | 15,000           | EKMH630VND153MB50T  | 40 × 50                       | B50            | 0.016                           | 4.77  |
|                            | 18,000           | EKMH630VND183MB63T  | 40 × 63                       | B63            | 0.013                           | 5.58  |
|                            | 27,000           | EKMH630VND273MB80T  | 40 × 80                       | B80            | 0.010                           | 7.43  |

†For construction and terminal options, refer to the part numbering system for descriptions and codes.

\* Refer to diagram of dimensions for detailed case size specifications.

KMH  
SNAP MOUNT 105°C

# KMH Series

## Standard Voltage Ratings - Snap Mount

KMH  
SNAP MOUNT 105°C

| Rated Voltage (WVDC)         | Capacitance (μF) | Global Part Number† | Nominal Case Size* D × L (mm) | Case Size Code | Maximum ESR (Ω) at +20°C, 120Hz | Rated Ripple Current (A rms) at +105°C, 120Hz |
|------------------------------|------------------|---------------------|-------------------------------|----------------|---------------------------------|---|
| 80 Volts<br>100 Volts Surge  | 820              | EKMH800VSN821MP25T  | 22 × 25                       | P25            | 0.303                           | 1.11  |
|                              | 1,000            | EKMH800VSN102MP25T  | 22 × 25                       | P25            | 0.249                           | 1.22  |
|                              | 1,200            | EKMH800VSN122MP30T  | 22 × 30                       | P30            | 0.207                           | 1.38  |
|                              | 1,500            | EKMH800VSN152MP35T  | 22 × 35                       | P35            | 0.166                           | 1.59  |
|                              | 1,800            | EKMH800VSN182MP40T  | 22 × 40                       | P40            | 0.138                           | 1.8   |
|                              | 2,200            | EKMH800VSN222MP45T  | 22 × 45                       | P45            | 0.113                           | 2.04  |
|                              | 1,200            | EKMH800VSN122MQ25T  | 25.4 × 25                     | Q25            | 0.207                           | 1.39  |
|                              | 1,500            | EKMH800VSN152MQ30T  | 25.4 × 30                     | Q30            | 0.166                           | 1.61  |
|                              | 1,800            | EKMH800VSN182MQ30T  | 25.4 × 30                     | Q30            | 0.138                           | 1.76  |
|                              | 2,200            | EKMH800VSN222MQ35T  | 25.4 × 35                     | Q35            | 0.113                           | 2.01  |
|                              | 2,700            | EKMH800VSN272MQ45T  | 25.4 × 45                     | Q45            | 0.092                           | 2.36  |
|                              | 3,300            | EKMH800VSN332MQ50T  | 25.4 × 50                     | Q50            | 0.075                           | 2.68  |
|                              | 1,800            | EKMH800VSN182MR25T  | 30 × 25                       | R25            | 0.138                           | 1.65  |
|                              | 2,200            | EKMH800VSN222MR30T  | 30 × 30                       | R30            | 0.113                           | 2.05  |
|                              | 2,700            | EKMH800VSN272MR35T  | 30 × 35                       | R35            | 0.092                           | 2.35  |
|                              | 3,300            | EKMH800VSN332MR40T  | 30 × 40                       | R40            | 0.075                           | 2.68  |
|                              | 3,900            | EKMH800VSN392MR45T  | 30 × 45                       | R45            | 0.064                           | 3.0   |
|                              | 4,700            | EKMH800VSN472MR50T  | 30 × 50                       | R50            | 0.053                           | 3.39  |
|                              | 2,200            | EKMH800VSN222MA25T  | 35 × 25                       | A25            | 0.113                           | 2.07  |
|                              | 2,700            | EKMH800VSN272MA25T  | 35 × 25                       | A25            | 0.092                           | 2.29  |
|                              | 3,300            | EKMH800VSN332MA30T  | 35 × 30                       | A30            | 0.075                           | 2.45  |
|                              | 3,900            | EKMH800VSN392MA35T  | 35 × 35                       | A35            | 0.064                           | 2.98  |
|                              | 4,700            | EKMH800VSN472MA40T  | 35 × 40                       | A40            | 0.053                           | 3.38  |
|                              | 5,600            | EKMH800VSN562MA45T  | 35 × 45                       | A45            | 0.044                           | 3.8   |
|                              | 6,800            | EKMH800VSN682MA50T  | 35 × 50                       | A50            | 0.037                           | 3.9   |
|                              | 8,200            | EKMH800VND822MA63T  | 35 × 63                       | A63            | 0.03                            | 4.42  |
|                              | 12,000           | EKMH800VND103MA80T  | 35 × 80                       | A80            | 0.021                           | 5.72  |
|                              | 3,900            | EKMH800VND392MB25T  | 40 × 25                       | B25            | 0.064                           | 2.5   |
|                              | 4,700            | EKMH800VND472MB30T  | 40 × 30                       | B30            | 0.053                           | 2.88  |
|                              | 5,600            | EKMH800VND562MB35T  | 40 × 35                       | B35            | 0.044                           | 3.26  |
|                              | 6,800            | EKMH800VND682MB40T  | 40 × 40                       | B40            | 0.037                           | 3.7   |
|                              | 10,000           | EKMH800VND103MB50T  | 40 × 50                       | B50            | 0.025                           | 4.77  |
|                              | 12,000           | EKMH800VND123MB63T  | 40 × 63                       | B63            | 0.021                           | 5.58  |
|                              | 18,000           | EKMH800VND183MB80T  | 40 × 80                       | B80            | 0.014                           | 7.43  |
| 100 Volts<br>125 Volts Surge | 560              | EKMH101VSN561MP25T  | 22 × 25                       | P25            | 0.444                           | 1.05  |
|                              | 820              | EKMH101VSN821MP30T  | 22 × 30                       | P30            | 0.303                           | 1.32  |
|                              | 1,000            | EKMH101VSN102MP35T  | 22 × 35                       | P35            | 0.249                           | 1.5   |
|                              | 1,200            | EKMH101VSN122MP40T  | 22 × 40                       | P40            | 0.207                           | 1.69  |
|                              | 1,500            | EKMH101VSN152MP45T  | 22 × 45                       | P45            | 0.166                           | 1.94  |
|                              | 820              | EKMH101VSN821MQ25T  | 25.4 × 25                     | Q25            | 0.303                           | 1.33  |
|                              | 1,000            | EKMH101VSN102MQ30T  | 25.4 × 30                     | Q30            | 0.249                           | 1.51  |
|                              | 1,200            | EKMH101VSN122MQ35T  | 25.4 × 35                     | Q35            | 0.207                           | 1.71  |
|                              | 1,500            | EKMH101VSN152MQ40T  | 25.4 × 40                     | Q40            | 0.166                           | 1.98  |
|                              | 1,800            | EKMH101VSN182MQ45T  | 25.4 × 45                     | Q45            | 0.138                           | 2.23  |
|                              | 2,200            | EKMH101VSN222MQ50T  | 25.4 × 50                     | Q50            | 0.113                           | 2.53  |
|                              | 1,200            | EKMH101VSN122MR25T  | 30 × 25                       | R25            | 0.207                           | 1.68  |
|                              | 1,500            | EKMH101VSN152MR30T  | 30 × 30                       | R30            | 0.166                           | 1.95  |
|                              | 1,800            | EKMH101VSN182MR35T  | 30 × 35                       | R35            | 0.138                           | 2.5   |
|                              | 2,200            | EKMH101VSN222MR40T  | 30 × 40                       | R40            | 0.113                           | 2.7   |
|                              | 2,700            | EKMH101VSN272MR45T  | 30 × 45                       | R45            | 0.092                           | 2.88  |
|                              | 3,300            | EKMH101VSN332MR50T  | 30 × 50                       | R50            | 0.075                           | 3.28  |
|                              | 1,500            | EKMH101VSN152MA25T  | 35 × 25                       | A25            | 0.166                           | 1.98  |
|                              | 1,800            | EKMH101VSN182MA25T  | 35 × 25                       | A25            | 0.138                           | 2.17  |
|                              | 2,200            | EKMH101VSN222MA30T  | 35 × 30                       | A30            | 0.113                           | 2.5   |
|                              | 2,700            | EKMH101VSN272MA35T  | 35 × 35                       | A35            | 0.092                           | 2.86  |
|                              | 3,300            | EKMH101VSN332MA40T  | 35 × 40                       | A40            | 0.075                           | 3.27  |
|                              | 3,900            | EKMH101VSN392MA45T  | 35 × 45                       | A45            | 0.064                           | 3.67  |
|                              | 4,700            | EKMH101VSN472MA50T  | 35 × 50                       | A50            | 0.053                           | 3.8   |

†For construction and terminal options, refer to the part numbering system for descriptions and codes.

\* Refer to diagram of dimensions for detailed case size specifications.

# KMH Series

## Standard Voltage Ratings - Snap Mount

| Rated Voltage (WVDC)         | Capacitance (μF) | Global Part Number† | Nominal Case Size* D × L (mm) | Case Size Code | Maximum ESR (Ω) at +20°C, 120Hz | Rated Ripple Current (A rms) at +105°C, 120Hz |
|------------------------------|------------------|---------------------|-------------------------------|----------------|---------------------------------|---|
| 100 Volts<br>125 Volts Surge | 5,600            | EKMH101VND562MA63T  | 35 × 63                       | A63            | 0.044                           | 4.08  |
|                              | 6,800            | EKMH101VND682MA80T  | 35 × 80                       | A80            | 0.037                           | 4.81  |
|                              | 2,200            | EKMH101VND222MB25T  | 40 × 25                       | B25            | 0.113                           | 2.1   |
|                              | 2,700            | EKMH101VND272MB30T  | 40 × 30                       | B30            | 0.092                           | 2.44  |
|                              | 3,300            | EKMH101VND332MB35T  | 40 × 35                       | B35            | 0.075                           | 2.8   |
|                              | 4,700            | EKMH101VND472MB40T  | 40 × 40                       | B40            | 0.053                           | 3.44  |
|                              | 5,600            | EKMH101VND562MB50T  | 40 × 50                       | B50            | 0.044                           | 3.99  |
|                              | 8,200            | EKMH101VND822MB63T  | 40 × 63                       | B63            | 0.03                            | 5.16  |
|                              | 10,000           | EKMH101VND103MB80T  | 40 × 80                       | B80            | 0.025                           | 6.19  |
| 160 Volts<br>200 Volts Surge | 220              | EKMH161VSN221MP20T  | 22 × 20                       | P20            | 1.13                            | 0.8   |
|                              | 270              | EKMH161VSN271MP25T  | 22 × 25                       | P25            | 0.614                           | 1.09  |
|                              | 330              | EKMH161VSN331MP25T  | 22 × 25                       | P25            | 0.502                           | 1.2   |
|                              | 390              | EKMH161VSN391MP30T  | 22 × 30                       | P30            | 0.425                           | 1.3   |
|                              | 470              | EKMH161VSN471MP35T  | 22 × 35                       | P35            | 0.353                           | 1.4   |
|                              | 560              | EKMH161VSN561MP40T  | 22 × 40                       | P40            | 0.296                           | 1.5   |
|                              | 680              | EKMH161VSN681MP45T  | 22 × 45                       | P45            | 0.244                           | 1.71  |
|                              | 820              | EKMH161VSN821MP50T  | 22 × 50                       | P50            | 0.202                           | 1.93  |
|                              | 330              | EKMH161VSN331MQ20T  | 25.4 × 20                     | Q20            | 0.753                           | 1.02  |
|                              | 390              | EKMH161VSN391MQ25T  | 25.4 × 25                     | Q25            | 0.425                           | 1.28  |
|                              | 470              | EKMH161VSN471MQ25T  | 25.4 × 25                     | Q25            | 0.353                           | 1.41  |
|                              | 560              | EKMH161VSN561MQ30T  | 25.4 × 30                     | Q30            | 0.296                           | 1.51  |
|                              | 680              | EKMH161VSN681MQ35T  | 25.4 × 35                     | Q35            | 0.244                           | 1.7   |
|                              | 820              | EKMH161VSN821MQ40T  | 25.4 × 40                     | Q40            | 0.202                           | 2.01  |
|                              | 1,000            | EKMH161VSN102MQ45T  | 25.4 × 45                     | Q45            | 0.166                           | 2.2   |
|                              | 1,200            | EKMH161VSN122MQ50T  | 25.4 × 50                     | Q50            | 0.138                           | 2.45  |
|                              | 390              | EKMH161VSN391MR20T  | 30 × 20                       | R20            | 0.638                           | 1.17  |
|                              | 470              | EKMH161VSN471MR20T  | 30 × 20                       | R20            | 0.529                           | 1.28  |
|                              | 560              | EKMH161VSN561MR25T  | 30 × 25                       | R25            | 0.296                           | 1.56  |
|                              | 680              | EKMH161VSN681MR25T  | 30 × 25                       | R25            | 0.244                           | 1.72  |
|                              | 820              | EKMH161VSN821MR30T  | 30 × 30                       | R30            | 0.202                           | 2.0   |
|                              | 1,000            | EKMH161VSN102MR35T  | 30 × 35                       | R35            | 0.166                           | 2.22  |
|                              | 1,200            | EKMH161VSN122MR40T  | 30 × 40                       | R40            | 0.138                           | 2.44  |
|                              | 1,500            | EKMH161VSN152MR45T  | 30 × 45                       | R45            | 0.111                           | 2.82  |
|                              | 1,800            | EKMH161VSN182MR50T  | 30 × 50                       | R50            | 0.092                           | 3.31  |
|                              | 560              | EKMH161VSN561MA20T  | 35 × 20                       | A20            | 0.444                           | 1.54  |
|                              | 680              | EKMH161VSN681MA20T  | 35 × 20                       | A20            | 0.366                           | 1.7   |
|                              | 820              | EKMH161VSN821MA25T  | 35 × 25                       | A25            | 0.303                           | 1.91  |
|                              | 1,000            | EKMH161VSN102MA25T  | 35 × 25                       | A25            | 0.249                           | 2.11  |
|                              | 1,200            | EKMH161VSN122MA30T  | 35 × 30                       | A30            | 0.207                           | 2.44  |
|                              | 1,500            | EKMH161VSN152MA35T  | 35 × 35                       | A35            | 0.166                           | 2.5   |
|                              | 1,800            | EKMH161VSN182MA45T  | 35 × 45                       | A45            | 0.138                           | 3.31  |
|                              | 2,200            | EKMH161VSN222MA50T  | 35 × 50                       | A50            | 0.113                           | 3.77  |
|                              | 3,300            | EKMH161VND332MA63T  | 35 × 63                       | A63            | 0.075                           | 3.96  |
|                              | 3,900            | EKMH161VND392MA80T  | 35 × 80                       | A80            | 0.064                           | 4.61  |
|                              | 1,200            | EKMH161VND122MB25T  | 40 × 25                       | B25            | 0.207                           | 1.96  |
|                              | 1,800            | EKMH161VND182MB30T  | 40 × 30                       | B30            | 0.138                           | 2.52  |
|                              | 2,200            | EKMH161VND222MB35T  | 40 × 35                       | B35            | 0.113                           | 2.89  |
|                              | 2,700            | EKMH161VND272MB40T  | 40 × 40                       | B40            | 0.092                           | 3.3   |
|                              | 3,300            | EKMH161VND332MB50T  | 40 × 50                       | B50            | 0.075                           | 3.87  |
|                              | 4,700            | EKMH161VND472MB63T  | 40 × 63                       | B63            | 0.053                           | 4.94  |
|                              | 5,600            | EKMH161VND562MB80T  | 40 × 80                       | B80            | 0.044                           | 5.86  |
| 180 Volts<br>225 Volts Surge | 180              | EKMH181VSN181MP20T  | 22 × 20                       | P20            | 1.381                           | 0.73  |
|                              | 220              | EKMH181VSN221MP20T  | 22 × 20                       | P20            | 1.13                            | 0.8   |
|                              | 270              | EKMH181VSN271MP25T  | 22 × 25                       | P25            | 0.614                           | 0.96  |
|                              | 330              | EKMH181VSN331MP25T  | 22 × 25                       | P25            | 0.502                           | 1.06  |
|                              | 390              | EKMH181VSN391MP30T  | 22 × 30                       | P30            | 0.425                           | 1.3   |
|                              | 470              | EKMH181VSN471MP35T  | 22 × 35                       | P35            | 0.353                           | 1.35  |

† For construction and terminal options, refer to the part numbering system for descriptions and codes.

\* Refer to diagram of dimensions for detailed case size specifications.

# KMH Series

## Standard Voltage Ratings - Snap Mount

| Rated Voltage (WVDC)         | Capacitance ( $\mu\text{F}$ ) | Global Part Number† | Nominal Case Size* D × L (mm) | Case Size Code | Maximum ESR ( $\Omega$ ) at +20°C, 120Hz | Rated Ripple Current (A rms) at +105°C, 120Hz |
|------------------------------|-------------------------------|---------------------|-------------------------------|----------------|--|---|
| 180 Volts<br>225 Volts Surge | 560                           | EKMH181VSN561MP40T  | 22 × 40                       | P40            | 0.296                                    | 1.51  |
|                              | 680                           | EKMH181VSN681MP45T  | 22 × 45                       | P45            | 0.244                                    | 1.71  |
|                              | 820                           | EKMH181VSN821MP50T  | 22 × 50                       | P50            | 0.202                                    | 1.97  |
|                              | 270                           | EKMH181VSN271MQ20T  | 25.4 × 20                     | Q20            | 0.921                                    | 0.92  |
|                              | 330                           | EKMH181VSN331MQ25T  | 25.4 × 25                     | Q25            | 0.502                                    | 1.2   |
|                              | 390                           | EKMH181VSN391MQ25T  | 25.4 × 25                     | Q25            | 0.425                                    | 1.3   |
|                              | 470                           | EKMH181VSN471MQ30T  | 25.4 × 30                     | Q30            | 0.353                                    | 1.4   |
|                              | 560                           | EKMH181VSN561MQ35T  | 25.4 × 35                     | Q35            | 0.296                                    | 1.53  |
|                              | 680                           | EKMH181VSN681MQ40T  | 25.4 × 40                     | Q40            | 0.244                                    | 1.74  |
|                              | 820                           | EKMH181VSN821MQ45T  | 25.4 × 45                     | Q45            | 0.202                                    | 1.97  |
|                              | 1,000                         | EKMH181VSN102MQ50T  | 25.4 × 50                     | Q50            | 0.166                                    | 2.23  |
|                              | 390                           | EKMH181VSN391MR20T  | 30 × 20                       | R20            | 0.638                                    | 1.17  |
|                              | 470                           | EKMH181VSN471MR25T  | 30 × 25                       | R25            | 0.353                                    | 1.38  |
|                              | 560                           | EKMH181VSN561MR25T  | 30 × 25                       | R25            | 0.296                                    | 1.51  |
|                              | 680                           | EKMH181VSN681MR30T  | 30 × 30                       | R30            | 0.244                                    | 1.72  |
|                              | 820                           | EKMH181VSN821MR35T  | 30 × 35                       | R35            | 0.202                                    | 2.0   |
|                              | 1,000                         | EKMH181VSN102MR40T  | 30 × 40                       | R40            | 0.166                                    | 2.24  |
|                              | 1,200                         | EKMH181VSN122MR45T  | 30 × 45                       | R45            | 0.138                                    | 2.52  |
|                              | 1,500                         | EKMH181VSN152MR50T  | 30 × 50                       | R50            | 0.111                                    | 2.89  |
|                              | 470                           | EKMH181VSN471MA20T  | 35 × 20                       | A20            | 0.529                                    | 1.41  |
|                              | 560                           | EKMH181VSN561MA20T  | 35 × 20                       | A20            | 0.444                                    | 1.53  |
|                              | 680                           | EKMH181VSN681MA25T  | 35 × 25                       | A25            | 0.366                                    | 1.74  |
|                              | 820                           | EKMH181VSN821MA25T  | 35 × 25                       | A25            | 0.303                                    | 1.91  |
|                              | 1,000                         | EKMH181VSN102MA30T  | 35 × 30                       | A30            | 0.249                                    | 2.26  |
|                              | 1,200                         | EKMH181VSN122MA35T  | 35 × 35                       | A35            | 0.207                                    | 2.5   |
|                              | 1,500                         | EKMH181VSN152MA40T  | 35 × 40                       | A40            | 0.166                                    | 2.89  |
|                              | 1,800                         | EKMH181VSN182MA40T  | 35 × 40                       | A40            | 0.138                                    | 3.17  |
|                              | 2,200                         | EKMH181VSN222MA50T  | 35 × 50                       | A50            | 0.113                                    | 3.6   |
|                              | 2,700                         | EKMH181VND272MA63T  | 35 × 63                       | A63            | 0.092                                    | 4.01  |
|                              | 3,300                         | EKMH181VND332MA80T  | 35 × 80                       | A80            | 0.075                                    | 4.74  |
|                              | 1,000                         | EKMH181VND102MB25T  | 40 × 25                       | B25            | 0.249                                    | 2.01  |
|                              | 1,500                         | EKMH181VND152MB30T  | 40 × 30                       | B30            | 0.166                                    | 2.57  |
|                              | 1,800                         | EKMH181VND182MB35T  | 40 × 35                       | B35            | 0.138                                    | 2.92  |
|                              | 2,200                         | EKMH181VND222MB40T  | 40 × 40                       | B40            | 0.113                                    | 3.33  |
|                              | 2,700                         | EKMH181VND272MB50T  | 40 × 50                       | B50            | 0.092                                    | 3.92  |
|                              | 3,900                         | EKMH181VND392MB63T  | 40 × 63                       | B63            | 0.064                                    | 5.03  |
|                              | 4,700                         | EKMH181VND472MB80T  | 40 × 80                       | B80            | 0.053                                    | 6.01  |
| 200 Volts<br>250 Volts Surge | 150                           | EKMH201VSN151MP20T  | 22 × 20                       | P20            | 1.658                                    | 0.66  |
|                              | 180                           | EKMH201VSN181MP20T  | 22 × 20                       | P20            | 1.381                                    | 0.72  |
|                              | 220                           | EKMH201VSN221MP25T  | 22 × 25                       | P25            | 0.753                                    | 0.79  |
|                              | 270                           | EKMH201VSN271MP25T  | 22 × 25                       | P25            | 0.614                                    | 0.87  |
|                              | 330                           | EKMH201VSN331MP30T  | 22 × 30                       | P30            | 0.502                                    | 1.2   |
|                              | 390                           | EKMH201VSN391MP35T  | 22 × 35                       | P35            | 0.425                                    | 1.31  |
|                              | 470                           | EKMH201VSN471MP40T  | 22 × 40                       | P40            | 0.353                                    | 1.4   |
|                              | 560                           | EKMH201VSN561MP45T  | 22 × 45                       | P45            | 0.296                                    | 1.56  |
|                              | 680                           | EKMH201VSN681MP50T  | 22 × 50                       | P50            | 0.244                                    | 1.74  |
|                              | 220                           | EKMH201VSN221MQ20T  | 25.4 × 20                     | Q20            | 1.13                                     | 0.83  |
|                              | 270                           | EKMH201VSN271MQ25T  | 25.4 × 25                     | Q25            | 0.614                                    | 1.09  |
|                              | 330                           | EKMH201VSN331MQ25T  | 25.4 × 25                     | Q25            | 0.502                                    | 1.21  |
|                              | 390                           | EKMH201VSN391MQ25T  | 25.4 × 25                     | Q25            | 0.425                                    | 1.31  |
|                              | 470                           | EKMH201VSN471MQ30T  | 25.4 × 30                     | Q30            | 0.353                                    | 1.41  |
|                              | 560                           | EKMH201VSN561MQ35T  | 25.4 × 35                     | Q35            | 0.296                                    | 1.53  |
|                              | 680                           | EKMH201VSN681MQ40T  | 25.4 × 40                     | Q40            | 0.244                                    | 1.74  |
|                              | 820                           | EKMH201VSN821MQ50T  | 25.4 × 50                     | Q50            | 0.202                                    | 2.04  |
|                              | 330                           | EKMH201VSN331MR20T  | 30 × 20                       | R20            | 0.753                                    | 1.08  |
|                              | 390                           | EKMH201VSN391MR25T  | 30 × 25                       | R25            | 0.425                                    | 1.37  |
|                              | 470                           | EKMH201VSN471MR25T  | 30 × 25                       | R25            | 0.353                                    | 1.5   |
|                              | 560                           | EKMH201VSN561MR25T  | 30 × 25                       | R25            | 0.296                                    | 1.63  |

†For construction and terminal options, refer to the part numbering system for descriptions and codes.

\* Refer to diagram of dimensions for detailed case size specifications.

# KMH Series

## Standard Voltage Ratings - Snap Mount

| Rated Voltage (WVDC)         | Capacitance (μF) | Global Part Number† | Nominal Case Size* D × L (mm) | Case Size Code | Maximum ESR (Ω) at +20°C, 120Hz | Rated Ripple Current (A rms) at +105°C, 120Hz |
|------------------------------|------------------|---------------------|-------------------------------|----------------|---------------------------------|---|
| 200 Volts<br>250 Volts Surge | 680              | EKMH201VSN681MR30T  | 30 × 30                       | R30            | 0.244                           | 1.74  |
|                              | 820              | EKMH201VSN821MR35T  | 30 × 35                       | R35            | 0.202                           | 2.0   |
|                              | 1,000            | EKMH201VSN102MR45T  | 30 × 45                       | R45            | 0.166                           | 2.3   |
|                              | 1,200            | EKMH201VSN122MR50T  | 30 × 50                       | R50            | 0.138                           | 2.6   |
|                              | 470              | EKMH201VSN471MA20T  | 35 × 20                       | A20            | 0.529                           | 1.41  |
|                              | 560              | EKMH201VSN561MA25T  | 35 × 25                       | A25            | 0.444                           | 1.56  |
|                              | 680              | EKMH201VSN681MA25T  | 35 × 25                       | A25            | 0.366                           | 1.72  |
|                              | 820              | EKMH201VSN821MA30T  | 35 × 30                       | A30            | 0.303                           | 2.04  |
|                              | 1,000            | EKMH201VSN102MA35T  | 35 × 35                       | A35            | 0.249                           | 2.3   |
|                              | 1,200            | EKMH201VSN122MA40T  | 35 × 40                       | A40            | 0.207                           | 2.65  |
|                              | 1,500            | EKMH201VSN152MA45T  | 35 × 45                       | A45            | 0.166                           | 3.08  |
|                              | 1,800            | EKMH201VSN182MA50T  | 35 × 50                       | A50            | 0.138                           | 3.47  |
|                              | 2,200            | EKMH201VND222MA63T  | 35 × 63                       | A63            | 0.113                           | 3.62  |
|                              | 3,300            | EKMH201VND332MA80T  | 35 × 80                       | A80            | 0.075                           | 4.74  |
|                              | 1,000            | EKMH201VND102MB25T  | 40 × 25                       | B25            | 0.249                           | 2.01  |
|                              | 1,200            | EKMH201VND122MB30T  | 40 × 30                       | B30            | 0.207                           | 2.3   |
|                              | 1,500            | EKMH201VND152MB35T  | 40 × 35                       | B35            | 0.166                           | 2.67  |
|                              | 1,800            | EKMH201VND182MB40T  | 40 × 40                       | B40            | 0.138                           | 3.01  |
|                              | 2,700            | EKMH201VND272MB50T  | 40 × 50                       | B50            | 0.092                           | 3.92  |
|                              | 3,300            | EKMH201VND332MB63T  | 40 × 63                       | B63            | 0.075                           | 4.63  |
|                              | 4,700            | EKMH201VND472MB80T  | 40 × 80                       | B80            | 0.053                           | 6.01  |
| 250 Volts<br>300 Volts Surge | 120              | EKMH251VSN121MP20T  | 22 × 20                       | P20            | 2.072                           | 0.59  |
|                              | 150              | EKMH251VSN151MP25T  | 22 × 25                       | P25            | 1.105                           | 0.71  |
|                              | 180              | EKMH251VSN181MP25T  | 22 × 25                       | P25            | 0.921                           | 0.78  |
|                              | 220              | EKMH251VSN221MP30T  | 22 × 30                       | P30            | 0.753                           | 0.95  |
|                              | 270              | EKMH251VSN271MP35T  | 22 × 35                       | P35            | 0.614                           | 1.14  |
|                              | 330              | EKMH251VSN331MP40T  | 22 × 40                       | P40            | 0.502                           | 1.26  |
|                              | 390              | EKMH251VSN391MP45T  | 22 × 45                       | P45            | 0.425                           | 1.49  |
|                              | 470              | EKMH251VSN471MP50T  | 22 × 50                       | P50            | 0.353                           | 1.57  |
|                              | 180              | EKMH251VSN181MQ20T  | 25.4 × 20                     | Q20            | 1.381                           | 0.75  |
|                              | 220              | EKMH251VSN221MQ25T  | 25.4 × 25                     | Q25            | 0.753                           | 0.95  |
|                              | 270              | EKMH251VSN271MQ25T  | 25.4 × 25                     | Q25            | 0.614                           | 1.05  |
|                              | 330              | EKMH251VSN331MQ30T  | 25.4 × 30                     | Q30            | 0.502                           | 1.2   |
|                              | 390              | EKMH251VSN391MQ35T  | 25.4 × 35                     | Q35            | 0.425                           | 1.49  |
|                              | 470              | EKMH251VSN471MQ40T  | 25.4 × 40                     | Q40            | 0.353                           | 1.57  |
|                              | 560              | EKMH251VSN561MQ45T  | 25.4 × 45                     | Q45            | 0.296                           | 1.79  |
|                              | 680              | EKMH251VSN681MQ50T  | 25.4 × 50                     | Q50            | 0.244                           | 1.84  |
|                              | 220              | EKMH251VSN221MR20T  | 30 × 20                       | R20            | 1.13                            | 0.88  |
|                              | 270              | EKMH251VSN271MR20T  | 30 × 20                       | R20            | 0.921                           | 0.97  |
|                              | 330              | EKMH251VSN331MR25T  | 30 × 25                       | R25            | 0.502                           | 1.26  |
|                              | 390              | EKMH251VSN391MR25T  | 30 × 25                       | R25            | 0.425                           | 1.37  |
|                              | 470              | EKMH251VSN471MR30T  | 30 × 30                       | R30            | 0.353                           | 1.57  |
|                              | 560              | EKMH251VSN561MR35T  | 30 × 35                       | R35            | 0.296                           | 1.79  |
|                              | 680              | EKMH251VSN681MR40T  | 30 × 40                       | R40            | 0.244                           | 2.0   |
|                              | 820              | EKMH251VSN821MR45T  | 30 × 45                       | R45            | 0.202                           | 2.16  |
|                              | 330              | EKMH251VSN331MA20T  | 35 × 20                       | A20            | 0.753                           | 1.18  |
|                              | 390              | EKMH251VSN391MA25T  | 35 × 25                       | A25            | 0.638                           | 1.43  |
|                              | 470              | EKMH251VSN471MA25T  | 35 × 25                       | A25            | 0.529                           | 1.57  |
|                              | 560              | EKMH251VSN561MA30T  | 35 × 30                       | A30            | 0.444                           | 1.79  |
|                              | 680              | EKMH251VSN681MA30T  | 35 × 30                       | A30            | 0.366                           | 1.97  |
|                              | 820              | EKMH251VSN821MA35T  | 35 × 35                       | A35            | 0.303                           | 1.98  |
|                              | 1,000            | EKMH251VSN102MA40T  | 35 × 40                       | A40            | 0.249                           | 2.3   |
|                              | 1,200            | EKMH251VSN122MA45T  | 35 × 45                       | A45            | 0.207                           | 2.43  |
|                              | 1,800            | EKMH251VND182MA63T  | 35 × 63                       | A63            | 0.138                           | 3.27  |
|                              | 2,200            | EKMH251VND222MA80T  | 35 × 80                       | A80            | 0.113                           | 3.87  |
|                              | 680              | EKMH251VND681MB25T  | 40 × 25                       | B25            | 0.366                           | 1.65  |
|                              | 1,000            | EKMH251VND102MB30T  | 40 × 30                       | B30            | 0.249                           | 2.1   |
|                              | 1,200            | EKMH251VND122MB35T  | 40 × 35                       | B35            | 0.207                           | 2.39  |

†For construction and terminal options, refer to the part numbering system for descriptions and codes.

\* Refer to diagram of dimensions for detailed case size specifications.

KMH  
SNAP MOUNT 105°C

# KMH Series

## Standard Voltage Ratings - Snap Mount

| Rated Voltage (WVDC)         | Capacitance ( $\mu\text{F}$ ) | Global Part Number† | Nominal Case Size* D × L (mm) | Case Size Code | Maximum ESR ( $\Omega$ ) at +20°C, 120Hz | Rated Ripple Current (A rms) at +105°C, 120Hz |
|------------------------------|-------------------------------|---------------------|-------------------------------|----------------|--|---|
| 250 Volts<br>300 Volts Surge | 1,500                         | EKMH251VND152MB40T  | 40 × 40                       | B40            | 0.166                                    | 2.75  |
|                              | 1,800                         | EKMH251VND182MB50T  | 40 × 50                       | B50            | 0.138                                    | 3.2   |
|                              | 2,200                         | EKMH251VND222MB63T  | 40 × 63                       | B63            | 0.113                                    | 3.78  |
|                              | 3,300                         | EKMH251VND332MB80T  | 40 × 80                       | B80            | 0.075                                    | 5.03  |
| 315 Volts<br>365 Volts Surge | 68                            | EKMH3B1VSN680MP20T  | 22 × 20                       | P20            | 3.656                                    | 0.44  |
|                              | 82                            | EKMH3B1VSN820MP25T  | 22 × 25                       | P25            | 3.032                                    | 0.64  |
|                              | 100                           | EKMH3B1VSN101MP30T  | 22 × 30                       | P30            | 2.486                                    | 0.68  |
|                              | 120                           | EKMH3B1VSN121MP30T  | 22 × 30                       | P30            | 2.072                                    | 0.75  |
|                              | 150                           | EKMH3B1VSN151MP35T  | 22 × 35                       | P35            | 1.658                                    | 0.82  |
|                              | 180                           | EKMH3B1VSN181MP40T  | 22 × 40                       | P40            | 1.381                                    | 0.91  |
|                              | 220                           | EKMH3B1VSN221MP45T  | 22 × 45                       | P45            | 1.13                                     | 1.02  |
|                              | 270                           | EKMH3B1VSN271MP50T  | 22 × 50                       | P50            | 0.921                                    | 1.16  |
|                              | 100                           | EKMH3B1VSN101MQ20T  | 25.4 × 20                     | Q20            | 2.486                                    | 0.56  |
|                              | 120                           | EKMH3B1VSN121MQ25T  | 25.4 × 25                     | Q25            | 2.072                                    | 0.76  |
|                              | 150                           | EKMH3B1VSN151MQ30T  | 25.4 × 30                     | Q30            | 1.658                                    | 0.8   |
|                              | 180                           | EKMH3B1VSN181MQ30T  | 25.4 × 30                     | Q30            | 1.381                                    | 0.88  |
|                              | 220                           | EKMH3B1VSN221MQ35T  | 25.4 × 35                     | Q35            | 1.13                                     | 1.02  |
|                              | 270                           | EKMH3B1VSN271MQ40T  | 25.4 × 40                     | Q40            | 0.921                                    | 1.15  |
|                              | 330                           | EKMH3B1VSN331MQ50T  | 25.4 × 50                     | Q50            | 0.753                                    | 1.33  |
|                              | 120                           | EKMH3B1VSN121MR20T  | 30 × 20                       | R20            | 2.072                                    | 0.65  |
|                              | 150                           | EKMH3B1VSN151MR25T  | 30 × 25                       | R25            | 1.658                                    | 0.82  |
|                              | 180                           | EKMH3B1VSN181MR25T  | 30 × 25                       | R25            | 1.381                                    | 0.9   |
|                              | 220                           | EKMH3B1VSN221MR30T  | 30 × 30                       | R30            | 1.13                                     | 1.02  |
|                              | 270                           | EKMH3B1VSN271MR35T  | 30 × 35                       | R35            | 0.921                                    | 1.17  |
|                              | 330                           | EKMH3B1VSN331MR35T  | 30 × 35                       | R35            | 0.753                                    | 1.3   |
|                              | 390                           | EKMH3B1VSN391MR40T  | 30 × 40                       | R40            | 0.638                                    | 1.46  |
|                              | 470                           | EKMH3B1VSN471MR50T  | 30 × 50                       | R50            | 0.529                                    | 1.7   |
|                              | 180                           | EKMH3B1VSN181MA20T  | 35 × 20                       | A20            | 1.381                                    | 0.83  |
|                              | 220                           | EKMH3B1VSN221MA25T  | 35 × 25                       | A25            | 1.13                                     | 1.03  |
|                              | 270                           | EKMH3B1VSN271MA25T  | 35 × 25                       | A25            | 0.921                                    | 1.15  |
|                              | 330                           | EKMH3B1VSN331MA30T  | 35 × 30                       | A30            | 0.753                                    | 1.32  |
|                              | 390                           | EKMH3B1VSN391MA35T  | 35 × 35                       | A35            | 0.638                                    | 1.47  |
|                              | 470                           | EKMH3B1VSN471MA40T  | 35 × 40                       | A40            | 0.529                                    | 1.69  |
|                              | 560                           | EKMH3B1VSN561MA45T  | 35 × 45                       | A45            | 0.444                                    | 1.9   |
|                              | 680                           | EKMH3B1VSN681MA50T  | 35 × 50                       | A50            | 0.366                                    | 2.15  |
|                              | 1,000                         | EKMH3B1VND102MA63T  | 35 × 63                       | A63            | 0.249                                    | 2.82  |
|                              | 1,200                         | EKMH3B1VND122MA80T  | 35 × 80                       | A80            | 0.207                                    | 3.3   |
|                              | 330                           | EKMH3B1VND331MB25T  | 40 × 25                       | B25            | 0.753                                    | 1.33  |
|                              | 470                           | EKMH3B1VND471MB30T  | 40 × 30                       | B30            | 0.529                                    | 1.66  |
|                              | 560                           | EKMH3B1VND561MB35T  | 40 × 35                       | B35            | 0.444                                    | 1.88  |
|                              | 680                           | EKMH3B1VND681MB40T  | 40 × 40                       | B40            | 0.366                                    | 2.14  |
|                              | 1,000                         | EKMH3B1VND102MB50T  | 40 × 50                       | B50            | 0.249                                    | 2.75  |
|                              | 1,500                         | EKMH3B1VND152MB63T  | 40 × 63                       | B63            | 0.166                                    | 3.6   |
|                              | 1,800                         | EKMH3B1VND182MB80T  | 40 × 80                       | B80            | 0.138                                    | 4.29  |
| 350 Volts<br>400 Volts Surge | 56                            | EKMH351VSN560MP20T  | 22 × 20                       | P20            | 4.44                                     | 0.4   |
|                              | 68                            | EKMH351VSN680MP25T  | 22 × 25                       | P25            | 3.656                                    | 0.51  |
|                              | 82                            | EKMH351VSN820MP25T  | 22 × 25                       | P25            | 3.032                                    | 0.56  |
|                              | 100                           | EKMH351VSN101MP30T  | 22 × 30                       | P30            | 2.486                                    | 0.69  |
|                              | 120                           | EKMH351VSN121MP35T  | 22 × 35                       | P35            | 2.072                                    | 0.75  |
|                              | 150                           | EKMH351VSN151MP40T  | 22 × 40                       | P40            | 1.658                                    | 0.82  |
|                              | 180                           | EKMH351VSN181MP45T  | 22 × 45                       | P45            | 1.381                                    | 0.92  |
|                              | 220                           | EKMH351VSN221MP50T  | 22 × 50                       | P50            | 1.13                                     | 1.05  |
|                              | 82                            | EKMH351VSN820MQ20T  | 25.4 × 20                     | Q20            | 3.032                                    | 0.51  |
|                              | 100                           | EKMH351VSN101MQ25T  | 25.4 × 25                     | Q25            | 2.486                                    | 0.69  |
|                              | 120                           | EKMH351VSN121MQ25T  | 25.4 × 25                     | Q25            | 2.072                                    | 0.75  |
|                              | 150                           | EKMH351VSN151MQ30T  | 25.4 × 30                     | Q30            | 1.658                                    | 0.83  |
|                              | 180                           | EKMH351VSN181MQ35T  | 25.4 × 35                     | Q35            | 1.381                                    | 0.92  |

†For construction and terminal options, refer to the part numbering system for descriptions and codes.

\* Refer to diagram of dimensions for detailed case size specifications.

# KMH Series

## Standard Voltage Ratings - Snap Mount

| Rated Voltage (WVDC)         | Capacitance (μF) | Global Part Number† | Nominal Case Size* D × L (mm) | Case Size Code | Maximum ESR (Ω) at +20°C, 120Hz | Rated Ripple Current (A rms) at +105°C, 120Hz |
|------------------------------|------------------|---------------------|-------------------------------|----------------|---------------------------------|---|
| 350 Volts<br>400 Volts Surge | 220              | EKMH351VSN221MQ40T  | 25.4 × 40                     | Q40            | 1.13                            | 1.04  |
|                              | 270              | EKMH351VSN271MQ45T  | 25.4 × 45                     | Q45            | 0.921                           | 1.18  |
|                              | 100              | EKMH351VSN101MR20T  | 30 × 20                       | R20            | 2.486                           | 0.59  |
|                              | 120              | EKMH351VSN121MR20T  | 30 × 20                       | R20            | 2.072                           | 0.64  |
|                              | 150              | EKMH351VSN151MR25T  | 30 × 25                       | R25            | 1.658                           | 0.83  |
|                              | 180              | EKMH351VSN181MR25T  | 30 × 25                       | R25            | 1.381                           | 0.91  |
|                              | 220              | EKMH351VSN221MR30T  | 30 × 30                       | R30            | 1.13                            | 1.02  |
|                              | 270              | EKMH351VSN271MR35T  | 30 × 35                       | R35            | 0.921                           | 1.17  |
|                              | 330              | EKMH351VSN331MR40T  | 30 × 40                       | R40            | 0.753                           | 1.34  |
|                              | 390              | EKMH351VSN391MR45T  | 30 × 45                       | R45            | 0.638                           | 1.51  |
|                              | 150              | EKMH351VSN151MA20T  | 35 × 20                       | A20            | 1.658                           | 0.76  |
|                              | 180              | EKMH351VSN181MA25T  | 35 × 25                       | A25            | 1.381                           | 0.94  |
|                              | 220              | EKMH351VSN221MA25T  | 35 × 25                       | A25            | 1.13                            | 1.04  |
|                              | 270              | EKMH351VSN271MA30T  | 35 × 30                       | A30            | 0.921                           | 1.2   |
|                              | 330              | EKMH351VSN331MA30T  | 35 × 30                       | A30            | 0.753                           | 1.33  |
|                              | 390              | EKMH351VSN391MA35T  | 35 × 35                       | A35            | 0.638                           | 1.47  |
|                              | 470              | EKMH351VSN471MA40T  | 35 × 40                       | A40            | 0.529                           | 1.69  |
|                              | 560              | EKMH351VSN561MA45T  | 35 × 45                       | A45            | 0.444                           | 1.9   |
|                              | 1,000            | EKMH351VND102MA63T  | 35 × 63                       | A63            | 0.249                           | 2.82  |
|                              | 1,200            | EKMH351VND122MA80T  | 35 × 80                       | A80            | 0.207                           | 3.3   |
|                              | 330              | EKMH351VND331MB25T  | 40 × 25                       | B25            | 0.753                           | 1.33  |
|                              | 470              | EKMH351VND471MB30T  | 40 × 30                       | B30            | 0.529                           | 1.66  |
|                              | 560              | EKMH351VND561MB35T  | 40 × 35                       | B35            | 0.444                           | 1.88  |
|                              | 680              | EKMH351VND681MB40T  | 40 × 40                       | B40            | 0.366                           | 2.14  |
|                              | 1,000            | EKMH351VND102MB50T  | 40 × 50                       | B50            | 0.249                           | 2.75  |
|                              | 1,200            | EKMH351VND122MB63T  | 40 × 63                       | B63            | 0.207                           | 3.22  |
|                              | 1,800            | EKMH351VND182MB80T  | 40 × 80                       | B80            | 0.138                           | 4.29  |
| 400 Volts<br>450 Volts Surge | 47               | EKMH401VSN470MP20T  | 22 × 20                       | P20            | 5.29                            | 0.37  |
|                              | 56               | EKMH401VSN560MP20T  | 22 × 20                       | P20            | 4.44                            | 0.4   |
|                              | 68               | EKMH401VSN680MP25T  | 22 × 25                       | P25            | 3.656                           | 0.51  |
|                              | 82               | EKMH401VSN820MP30T  | 22 × 30                       | P30            | 3.032                           | 0.58  |
|                              | 100              | EKMH401VSN101MP30T  | 22 × 30                       | P30            | 2.486                           | 0.64  |
|                              | 120              | EKMH401VSN121MP35T  | 22 × 35                       | P35            | 2.072                           | 0.72  |
|                              | 150              | EKMH401VSN151MP40T  | 22 × 40                       | P40            | 1.658                           | 0.82  |
|                              | 180              | EKMH401VSN181MP50T  | 22 × 50                       | P50            | 1.381                           | 0.95  |
|                              | 68               | EKMH401VSN680MQ20T  | 25.4 × 20                     | Q20            | 3.656                           | 0.46  |
|                              | 82               | EKMH401VSN820MQ25T  | 25.4 × 25                     | Q25            | 3.032                           | 0.64  |
|                              | 100              | EKMH401VSN101MQ25T  | 25.4 × 25                     | Q25            | 2.486                           | 0.67  |
|                              | 120              | EKMH401VSN121MQ30T  | 25.4 × 30                     | Q30            | 2.072                           | 0.72  |
|                              | 150              | EKMH401VSN151MQ35T  | 25.4 × 35                     | Q35            | 1.658                           | 0.84  |
|                              | 180              | EKMH401VSN181MQ40T  | 25.4 × 40                     | Q40            | 1.381                           | 0.94  |
|                              | 220              | EKMH401VSN221MQ45T  | 25.4 × 45                     | Q45            | 1.13                            | 1.07  |
|                              | 270              | EKMH401VSN271MQ50T  | 25.4 × 50                     | Q50            | 0.921                           | 1.21  |
|                              | 100              | EKMH401VSN101MR20T  | 30 × 20                       | R20            | 2.486                           | 0.59  |
|                              | 120              | EKMH401VSN121MR25T  | 30 × 25                       | R25            | 2.072                           | 0.76  |
|                              | 150              | EKMH401VSN151MR25T  | 30 × 25                       | R25            | 1.658                           | 0.84  |
|                              | 180              | EKMH401VSN181MR30T  | 30 × 30                       | R30            | 1.381                           | 0.92  |
|                              | 220              | EKMH401VSN221MR35T  | 30 × 35                       | R35            | 1.13                            | 1.06  |
|                              | 270              | EKMH401VSN271MR40T  | 30 × 40                       | R40            | 0.921                           | 1.21  |
|                              | 330              | EKMH401VSN331MR45T  | 30 × 45                       | R45            | 0.753                           | 1.39  |
|                              | 390              | EKMH401VSN391MR50T  | 30 × 50                       | R50            | 0.638                           | 1.55  |
|                              | 150              | EKMH401VSN151MA20T  | 35 × 20                       | A20            | 1.658                           | 0.76  |
|                              | 180              | EKMH401VSN181MA25T  | 35 × 25                       | A25            | 1.381                           | 0.94  |
|                              | 220              | EKMH401VSN221MA30T  | 35 × 30                       | A30            | 1.13                            | 1.08  |
|                              | 270              | EKMH401VSN271MA30T  | 35 × 30                       | A30            | 0.921                           | 1.2   |
|                              | 330              | EKMH401VSN331MA35T  | 35 × 35                       | A35            | 0.753                           | 1.35  |
|                              | 390              | EKMH401VSN391MA40T  | 35 × 40                       | A40            | 0.638                           | 1.54  |
|                              | 470              | EKMH401VSN471MA45T  | 35 × 45                       | A45            | 0.529                           | 1.74  |

†For construction and terminal options, refer to the part numbering system for descriptions and codes.

\* Refer to diagram of dimensions for detailed case size specifications.

KMH  
SNAP MOUNT 105°C

# KMH Series

## Standard Voltage Ratings - Snap Mount

| Rated Voltage (WVDC)         | Capacitance ( $\mu\text{F}$ ) | Global Part Number† | Nominal Case Size* D × L (mm) | Case Size Code | Maximum ESR ( $\Omega$ ) at +20°C, 120Hz | Rated Ripple Current (A rms) at +105°C, 120Hz |
|------------------------------|-------------------------------|---------------------|-------------------------------|----------------|--|---|
| 400 Volts<br>450 Volts Surge | 820                           | EKMH401VND821MA63T  | 35 × 63                       | A63            | 0.303                                    | 2.55  |
|                              | 1,000                         | EKMH401VND102MA80T  | 35 × 80                       | A80            | 0.249                                    | 3.01  |
|                              | 270                           | EKMH401VND271MB25T  | 40 × 25                       | B25            | 0.921                                    | 1.2   |
|                              | 390                           | EKMH401VND391MB30T  | 40 × 30                       | B30            | 0.638                                    | 1.51  |
|                              | 470                           | EKMH401VND471MB35T  | 40 × 35                       | B35            | 0.529                                    | 1.72  |
|                              | 560                           | EKMH401VND561MB40T  | 40 × 40                       | B40            | 0.444                                    | 1.94  |
|                              | 820                           | EKMH401VND821MB50T  | 40 × 50                       | B50            | 0.303                                    | 2.49  |
|                              | 1,200                         | EKMH401VND122MB63T  | 40 × 63                       | B63            | 0.207                                    | 3.22  |
|                              | 1,500                         | EKMH401VND152MB80T  | 40 × 80                       | B80            | 0.166                                    | 3.92  |
| 450 Volts<br>500 Volts Surge | 56                            | EKMH451VSN560MP25T  | 22 × 25                       | P25            | 4.44                                     | 0.4   |
|                              | 68                            | EKMH451VSN680MP30T  | 22 × 30                       | P30            | 3.656                                    | 0.5   |
|                              | 82                            | EKMH451VSN820MP35T  | 22 × 35                       | P35            | 3.032                                    | 0.56  |
|                              | 100                           | EKMH451VSN101MP40T  | 22 × 40                       | P40            | 2.486                                    | 0.64  |
|                              | 120                           | EKMH451VSN121MP45T  | 22 × 45                       | P45            | 2.072                                    | 0.72  |
|                              | 150                           | EKMH451VSN151MP50T  | 22 × 50                       | P50            | 1.658                                    | 0.79  |
|                              | 68                            | EKMH451VSN680MQ25T  | 25.4 × 25                     | Q25            | 3.656                                    | 0.5   |
|                              | 82                            | EKMH451VSN820MQ25T  | 25.4 × 25                     | Q25            | 3.032                                    | 0.55  |
|                              | 100                           | EKMH451VSN101MQ30T  | 25.4 × 30                     | Q30            | 2.486                                    | 0.57  |
|                              | 120                           | EKMH451VSN121MQ35T  | 25.4 × 35                     | Q35            | 2.072                                    | 0.71  |
|                              | 150                           | EKMH451VSN151MQ40T  | 25.4 × 40                     | Q40            | 1.658                                    | 0.75  |
|                              | 180                           | EKMH451VSN181MQ45T  | 25.4 × 45                     | Q45            | 1.381                                    | 0.84  |
|                              | 220                           | EKMH451VSN221MQ50T  | 25.4 × 50                     | Q50            | 1.13                                     | 0.98  |
|                              | 100                           | EKMH451VSN101MR25T  | 30 × 25                       | R25            | 2.486                                    | 0.64  |
|                              | 120                           | EKMH451VSN121MR25T  | 30 × 25                       | R25            | 2.072                                    | 0.7   |
|                              | 150                           | EKMH451VSN151MR30T  | 30 × 30                       | R30            | 1.658                                    | 0.74  |
|                              | 180                           | EKMH451VSN181MR35T  | 30 × 35                       | R35            | 1.381                                    | 0.87  |
|                              | 220                           | EKMH451VSN221MR40T  | 30 × 40                       | R40            | 1.13                                     | 0.98  |
|                              | 270                           | EKMH451VSN271MR45T  | 30 × 45                       | R45            | 0.921                                    | 1.15  |
|                              | 330                           | EKMH451VSN331MR50T  | 30 × 50                       | R50            | 0.753                                    | 1.38  |
|                              | 150                           | EKMH451VSN151MA25T  | 35 × 25                       | A25            | 1.658                                    | 0.75  |
|                              | 180                           | EKMH451VSN181MA30T  | 35 × 30                       | A30            | 1.381                                    | 0.9   |
|                              | 220                           | EKMH451VSN221MA30T  | 35 × 30                       | A30            | 1.13                                     | 1.0   |
|                              | 270                           | EKMH451VSN271MA35T  | 35 × 35                       | A35            | 0.921                                    | 1.17  |
|                              | 330                           | EKMH451VSN331MA40T  | 35 × 40                       | A40            | 0.753                                    | 1.38  |
|                              | 390                           | EKMH451VSN391MA45T  | 35 × 45                       | A45            | 0.638                                    | 1.55  |
|                              | 470                           | EKMH451VSN471MA50T  | 35 × 50                       | A50            | 0.529                                    | 1.72  |
|                              | 560                           | EKMH451VND561MA63T  | 35 × 63                       | A63            | 0.444                                    | 2.11  |
|                              | 820                           | EKMH451VND821MA80T  | 35 × 80                       | A80            | 0.303                                    | 2.73  |
|                              | 220                           | EKMH451VND221MB25T  | 40 × 25                       | B25            | 1.13                                     | 1.09  |
|                              | 270                           | EKMH451VND271MB30T  | 40 × 30                       | B30            | 0.921                                    | 1.26  |
|                              | 390                           | EKMH451VND391MB35T  | 40 × 35                       | B35            | 0.638                                    | 1.57  |
|                              | 470                           | EKMH451VND471MB40T  | 40 × 40                       | B40            | 0.529                                    | 1.78  |
|                              | 560                           | EKMH451VND561MB50T  | 40 × 50                       | B50            | 0.444                                    | 2.06  |
|                              | 820                           | EKMH451VND821MB63T  | 40 × 63                       | B63            | 0.303                                    | 2.66  |
|                              | 1,200                         | EKMH451VND122MB80T  | 40 × 80                       | B80            | 0.207                                    | 3.5   |

†For construction and terminal options, refer to the part numbering system for descriptions and codes.

\* Refer to diagram of dimensions for detailed case size specifications.