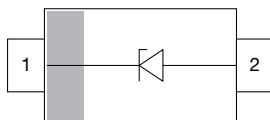
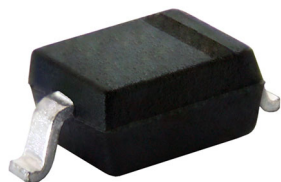


## Small Signal Zener Diodes



### MARKING (example only)



XYZ = type code (see table below)

bar = pin 1

### LINKS TO ADDITIONAL RESOURCES



### FEATURES

- Silicon planar Zener diodes
- The Zener voltages are graded according to the international E24 standard
- Standard Zener voltage tolerance is  $\pm 5\%$ ; replace "C" with "B" for  $\pm 2\%$  tolerance
- AEC-Q101 qualified available
- ESD capability according to AEC-Q101:  
Human body model > 8 kV  
Machine model > 800 V
- Base P/N-E3 - RoHS-compliant, commercial grade
- Base P/N-HE3\_A - RoHS-compliant, AEC-Q101 qualified
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)



**RoHS**  
COMPLIANT

| PRIMARY CHARACTERISTICS |               |      |
|-------------------------|---------------|------|
| PARAMETER               | VALUE         | UNIT |
| $V_Z$ range nom.        | 2.2 to 75     | V    |
| Test current $I_{ZT}$   | 2; 5          | mA   |
| $V_Z$ specification     | Pulse current |      |
| Circuit configuration   | Single        |      |

| ORDERING INFORMATION |                                         |                 |                    |                                   |                        |
|----------------------|-----------------------------------------|-----------------|--------------------|-----------------------------------|------------------------|
| DEVICE NAME          | ORDERING CODE                           | ZENER TOLERANCE | AEC-Q101 QUALIFIED | TAPED UNITS                       | MINIMUM ORDER QUANTITY |
| BZX384 series        | BZX384C2V2-E3-08 to BZX384C75-E3-08     | 5 %             | No                 | 3000<br>(8 mm tape on 7" reel)    | 15 000                 |
|                      | BZX384B2V2-E3-08 to BZX384B75-E3-08     | 2 %             | No                 |                                   |                        |
|                      | BZX384C2V2-HE3_A08 to BZX384C75-HE3_A08 | 5 %             | Yes                |                                   |                        |
|                      | BZX384B2V2-HE3_A08 to BZX384B75-HE3_A08 | 2 %             | Yes                |                                   |                        |
|                      | BZX384C2V2-E3-18 to BZX384C75-E3-18     | 5 %             | No                 | 10 000<br>(8 mm tape on 13" reel) | 10 000                 |
|                      | BZX384B2V2-E3-18 to BZX384B75-E3-18     | 2 %             | No                 |                                   |                        |
|                      | BZX384C2V2-HE3_A18 to BZX384C75-HE3_A18 | 5 %             | Yes                |                                   |                        |
|                      | BZX384B2V2-HE3_A18 to BZX384B75-HE3_A18 | 2 %             | Yes                |                                   |                        |

| PACKAGE      |        |                                      |                                      |                                 |
|--------------|--------|--------------------------------------|--------------------------------------|---------------------------------|
| PACKAGE NAME | WEIGHT | MOLDING COMPOUND FLAMMABILITY RATING | MOISTURE SENSITIVITY LEVEL           | SOLDERING CONDITIONS            |
| SOD-323      | 4 mg   | UL 94 V-0                            | MSL level 1<br>(according J-STD-020) | Peak temperature<br>max. 260 °C |

| ABSOLUTE MAXIMUM RATINGS ( $T_{amb} = 25\text{ °C}$ , unless otherwise specified) |                |  |            |             |      |
|-----------------------------------------------------------------------------------|----------------|--|------------|-------------|------|
| PARAMETER                                                                         | TEST CONDITION |  | SYMBOL     | VALUE       | UNIT |
| Power dissipation                                                                 |                |  | $P_{tot}$  | 200         | mW   |
| Thermal resistance junction to lead                                               |                |  | $R_{thJL}$ | 625         | K/W  |
| Junction temperature                                                              |                |  | $T_j$      | 150         | °C   |
| Storage temperature range                                                         |                |  | $T_{stg}$  | -65 to +150 | °C   |
| Operating temperature range                                                       |                |  | $T_{op}$   | -55 to +150 | °C   |

**ELECTRICAL CHARACTERISTICS** ( $T_{amb} = 25\text{ }^{\circ}\text{C}$ , unless otherwise specified)

| PART NUMBER | MARKING CODE | ZENER VOLTAGE RANGE <sup>(1)</sup> |      |       | TEST CURRENT |           | REVERSE LEAKAGE CURRENT |      | DYNAMIC RESISTANCE |                       | PEAK PULSE CURRENT <sup>(2)</sup> | REVERSE CLAMPING VOLTAGE AT $I_{PPM}$ | ESD IMMUNITY <sup>(3)</sup> | TEMPERATURE COEFFICIENT OF ZENER VOLTAGE |      |
|-------------|--------------|------------------------------------|------|-------|--------------|-----------|-------------------------|------|--------------------|-----------------------|-----------------------------------|---------------------------------------|-----------------------------|------------------------------------------|------|
|             |              | $V_Z$ at $I_{ZT1}$                 |      |       | $I_{ZT1}$    | $I_{ZT2}$ | $I_R$ at $V_R$          |      | $Z_Z$ at $I_{ZT1}$ | $Z_{ZK}$ at $I_{ZT2}$ | $I_{PPM}$                         | $V_C$                                 | $V_{ESD}$                   | $\alpha_{VZ}$ at $I_{ZT1}$               |      |
|             |              | V                                  |      |       | mA           |           | $\mu\text{A}$           | V    | $\Omega$           |                       | A                                 | V                                     | kV                          | $10^{-4}/^{\circ}\text{C}$               |      |
|             |              | MIN.                               | NOM. | MAX.  |              |           | MAX.                    |      | MAX.               | MAX.                  |                                   | MAX.                                  | MAX.                        | MIN.                                     | MAX. |
| BZX384C2V2  | E1           | 2.09                               | 2.2  | 2.31  | 5            | 1         | 100                     | 1    | 120                | 600                   | 11.8                              | 5.91                                  | $\geq 30$                   | -9                                       | -4   |
| BZX384C2V4  | E2           | 2.28                               | 2.4  | 2.52  | 5            | 1         | 50                      | 1    | 100                | 600                   | 11.6                              | 6.02                                  | $\geq 30$                   | -9                                       | -4   |
| BZX384C2V7  | E3           | 2.57                               | 2.7  | 2.84  | 5            | 1         | 20                      | 1    | 100                | 600                   | 11.2                              | 6.22                                  | $\geq 30$                   | -9                                       | -3   |
| BZX384C3V0  | E4           | 2.85                               | 3    | 3.15  | 5            | 1         | 10                      | 1    | 95                 | 600                   | 10.9                              | 6.4                                   | $\geq 30$                   | -9                                       | -3   |
| BZX384C3V3  | E5           | 3.14                               | 3.3  | 3.47  | 5            | 1         | 5                       | 1    | 95                 | 600                   | 10.7                              | 6.54                                  | $\geq 30$                   | -8                                       | -3   |
| BZX384C3V6  | E6           | 3.42                               | 3.6  | 3.78  | 5            | 1         | 5                       | 1    | 90                 | 600                   | 10.6                              | 6.6                                   | $\geq 30$                   | -8                                       | -3   |
| BZX384C3V9  | E7           | 3.71                               | 3.9  | 4.1   | 5            | 1         | 3                       | 1    | 90                 | 600                   | 10.4                              | 6.73                                  | $\geq 30$                   | -7                                       | -3   |
| BZX384C4V3  | E8           | 4.09                               | 4.3  | 4.52  | 5            | 1         | 3                       | 1    | 90                 | 600                   | 10.1                              | 6.93                                  | $\geq 30$                   | -6                                       | -1   |
| BZX384C4V7  | E9           | 4.47                               | 4.7  | 4.94  | 5            | 1         | 3                       | 2    | 80                 | 500                   | 12.3                              | 8.14                                  | $\geq 30$                   | -5                                       | 2    |
| BZX384C5V1  | E0           | 4.85                               | 5.1  | 5.36  | 5            | 1         | 2                       | 2    | 60                 | 480                   | 12.1                              | 9.87                                  | $\geq 30$                   | -3                                       | 4    |
| BZX384C5V6  | H1           | 5.32                               | 5.6  | 5.88  | 5            | 1         | 1                       | 2    | 40                 | 400                   | 10.5                              | 10.6                                  | $\geq 30$                   | -2                                       | 6    |
| BZX384C6V2  | H2           | 5.89                               | 6.2  | 6.51  | 5            | 1         | 3                       | 4    | 10                 | 150                   | 10.3                              | 9.66                                  | $\geq 30$                   | -1                                       | 7    |
| BZX384C6V8  | H3           | 6.46                               | 6.8  | 7.14  | 5            | 1         | 2                       | 4    | 15                 | 80                    | 9.4                               | 10.6                                  | $\geq 30$                   | 2                                        | 7    |
| BZX384C7V5  | H4           | 7.13                               | 7.5  | 7.88  | 5            | 1         | 1                       | 5    | 15                 | 80                    | 8.6                               | 11.54                                 | $\geq 30$                   | 3                                        | 7    |
| BZX384C8V2  | H5           | 7.79                               | 8.2  | 8.61  | 5            | 1         | 0.7                     | 5    | 15                 | 80                    | 7.9                               | 12.6                                  | $\geq 30$                   | 4                                        | 7    |
| BZX384C9V1  | H6           | 8.65                               | 9.1  | 9.56  | 5            | 1         | 0.5                     | 6    | 15                 | 100                   | 7.4                               | 13.55                                 | $\geq 30$                   | 5                                        | 8    |
| BZX384C10   | H7           | 9.5                                | 10   | 10.5  | 5            | 1         | 0.2                     | 7    | 20                 | 150                   | 6.75                              | 14.8                                  | $\geq 30$                   | 5                                        | 8    |
| BZX384C11   | H8           | 10.45                              | 11   | 11.55 | 5            | 1         | 0.1                     | 8    | 20                 | 150                   | 6.1                               | 16.4                                  | $\geq 30$                   | 5                                        | 9    |
| BZX384C12   | H9           | 11.4                               | 12   | 12.6  | 5            | 1         | 0.1                     | 8    | 25                 | 150                   | 5.43                              | 18.4                                  | $\geq 30$                   | 6                                        | 9    |
| BZX384C13   | H0           | 12.4                               | 13   | 13.65 | 5            | 1         | 0.1                     | 8    | 30                 | 170                   | 5.15                              | 19.4                                  | $\geq 30$                   | 7                                        | 9    |
| BZX384C15   | N1           | 14.25                              | 15   | 15.6  | 5            | 1         | 0.05                    | 10.5 | 30                 | 200                   | 4.5                               | 22                                    | $\geq 30$                   | 7                                        | 9    |
| BZX384C16   | N2           | 15.3                               | 16   | 16.8  | 5            | 1         | 0.05                    | 11.2 | 40                 | 200                   | 3.96                              | 25.2                                  | $\geq 30$                   | 8                                        | 9.5  |
| BZX384C18   | N3           | 17.1                               | 18   | 18.9  | 5            | 1         | 0.05                    | 12.6 | 45                 | 225                   | 3.69                              | 27.1                                  | $\geq 30$                   | 8                                        | 9.5  |
| BZX384C20   | N4           | 19                                 | 20   | 21    | 5            | 1         | 0.05                    | 14   | 55                 | 225                   | 3.18                              | 31.4                                  | $\geq 30$                   | 8                                        | 10   |
| BZX384C22   | N5           | 20.9                               | 22   | 23.1  | 5            | 1         | 0.05                    | 15.4 | 55                 | 250                   | 2.8                               | 35.6                                  | 25                          | 8                                        | 10   |
| BZX384C24   | N6           | 22.8                               | 24   | 25.2  | 5            | 1         | 0.05                    | 16.8 | 70                 | 250                   | 2.61                              | 38.3                                  | 25                          | 8                                        | 10   |
| BZX384C27   | N7           | 25.65                              | 27   | 28.35 | 2            | 0.5       | 0.05                    | 18.9 | 80                 | 300                   | 2.3                               | 43.5                                  | 20                          | 8                                        | 10   |
| BZX384C30   | N8           | 28.5                               | 30   | 31.5  | 2            | 0.5       | 0.05                    | 21   | 80                 | 300                   | 2.2                               | 46.3                                  | 20                          | 8                                        | 10   |
| BZX384C33   | N9           | 31.35                              | 33   | 34.65 | 2            | 0.5       | 0.05                    | 23.1 | 80                 | 325                   | 1.88                              | 53.1                                  | 15                          | 8                                        | 10   |
| BZX384C36   | N0           | 34.2                               | 36   | 37.8  | 2            | 0.5       | 0.05                    | 25.2 | 90                 | 350                   | 1.74                              | 57.4                                  | 15                          | 8                                        | 10   |
| BZX384C39   | P1           | 37.05                              | 39   | 40.95 | 2            | 0.5       | 0.05                    | 27.3 | 130                | 350                   | 1.49                              | 67.1                                  | 14                          | 10                                       | 12   |
| BZX384C43   | P2           | 40.85                              | 43   | 45.15 | 2            | 0.5       | 0.05                    | 30.1 | 150                | 375                   | 1.41                              | 70.9                                  | 14                          | 10                                       | 12   |
| BZX384C47   | P3           | 44.65                              | 47   | 49.35 | 2            | 0.5       | 0.05                    | 32.9 | 170                | 375                   | 1.21                              | 82.6                                  | 14                          | 10                                       | 12   |
| BZX384C51   | P4           | 48.45                              | 51   | 53.55 | 2            | 0.5       | 0.05                    | 35.7 | 180                | 400                   | 1.16                              | 86.2                                  | 14                          | 10                                       | 12   |
| BZX384C56   | P5           | 53.2                               | 56   | 58.8  | 2            | 0.5       | 0.05                    | 39.2 | 200                | 425                   | 1.00                              | 100                                   | 12                          | 9                                        | 11   |
| BZX384C62   | P6           | 58.9                               | 62   | 65.1  | 2            | 0.5       | 0.05                    | 43.4 | 215                | 450                   | 0.96                              | 105                                   | 12                          | 9                                        | 12   |
| BZX384C68   | P7           | 64.6                               | 68   | 71.4  | 2            | 0.5       | 0.05                    | 47.6 | 240                | 475                   | 0.83                              | 120                                   | 9                           | 10                                       | 12   |
| BZX384C75   | P8           | 71.25                              | 75   | 78.75 | 2            | 0.5       | 0.05                    | 52.5 | 255                | 500                   | 0.81                              | 123                                   | 9                           | 10                                       | 12   |

**Notes**(1) Pulse test  $t_p = 5\text{ ms}$ (2) Pulse test:  $t_p = 8/20\text{ }\mu\text{s}$  according to IEC 61000-4-5

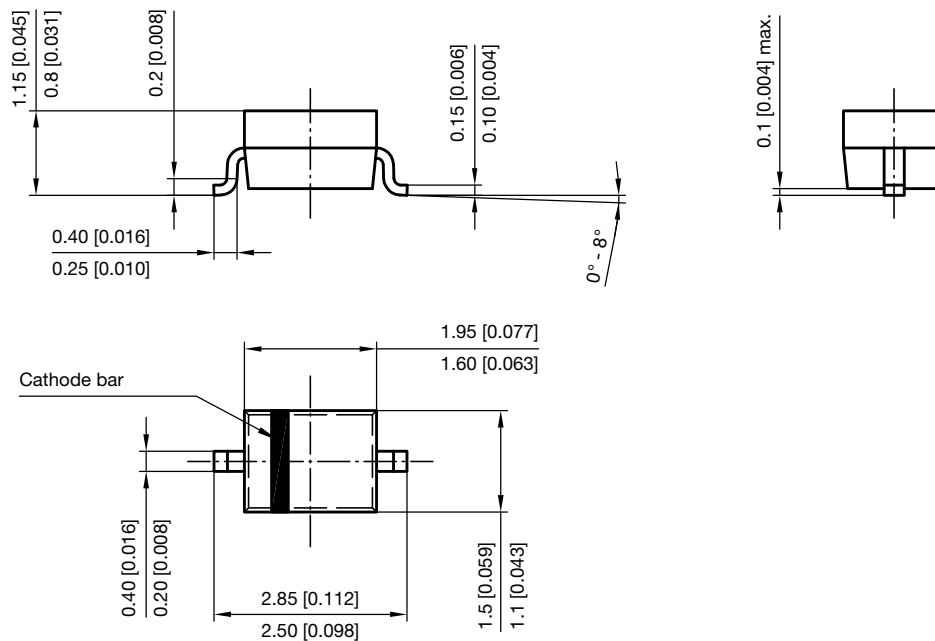
(3) Contact and air discharge according to IEC 61000-4-2

**ELECTRICAL CHARACTERISTICS** ( $T_{amb} = 25\text{ }^{\circ}\text{C}$ , unless otherwise specified)

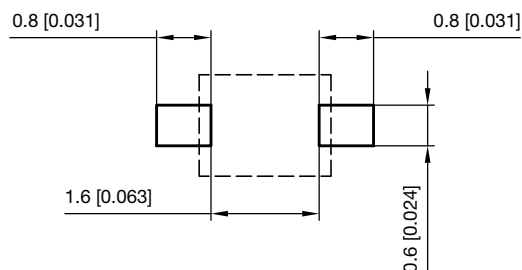
| PART NUMBER | MARKING CODE | ZENER VOLTAGE RANGE <sup>(1)</sup> |      |       | TEST CURRENT |           | REVERSE LEAKAGE CURRENT |      | DYNAMIC RESISTANCE |                       | PEAK PULSE CURRENT <sup>(2)</sup> | REVERSE CLAMPING VOLTAGE AT $I_{PPM}$ | ESD IMMUNITY <sup>(3)</sup> | TEMPERATURE COEFFICIENT OF ZENER VOLTAGE |      |
|-------------|--------------|------------------------------------|------|-------|--------------|-----------|-------------------------|------|--------------------|-----------------------|-----------------------------------|---------------------------------------|-----------------------------|------------------------------------------|------|
|             |              | $V_Z$ at $I_{ZT1}$                 |      |       | $I_{ZT1}$    | $I_{ZT2}$ | $I_R$ at $V_R$          |      | $Z_Z$ at $I_{ZT1}$ | $Z_{ZK}$ at $I_{ZT2}$ | $I_{PPM}$                         | $V_C$                                 | $V_{ESD}$                   | $\alpha_{VZ}$ at $I_{ZT1}$               |      |
|             |              | V                                  |      |       | mA           |           | $\mu\text{A}$           | V    | $\Omega$           |                       | A                                 | V                                     | kV                          | $10^{-4}/^{\circ}\text{C}$               |      |
|             |              | MIN.                               | NOM. | MAX.  |              |           | MAX.                    |      | MAX.               | MAX.                  |                                   | MAX.                                  | MAX.                        | MIN.                                     | MAX. |
| BZX384B2V2  | P9           | 2.16                               | 2.2  | 2.24  | 5            | 1         | 100                     | 1    | 120                | 600                   | 11.8                              | 5.91                                  | $\geq 30$                   | -9                                       | -4   |
| BZX384B2V4  | P0           | 2.35                               | 2.4  | 2.45  | 5            | 1         | 50                      | 1    | 100                | 600                   | 11.6                              | 6.02                                  | $\geq 30$                   | -9                                       | -4   |
| BZX384B2V7  | B1           | 2.65                               | 2.7  | 2.75  | 5            | 1         | 20                      | 1    | 100                | 600                   | 11.2                              | 6.22                                  | $\geq 30$                   | -9                                       | -3   |
| BZX384B3V0  | B2           | 2.94                               | 3    | 3.06  | 5            | 1         | 10                      | 1    | 95                 | 600                   | 10.9                              | 6.4                                   | $\geq 30$                   | -9                                       | -3   |
| BZX384B3V3  | B3           | 3.23                               | 3.3  | 3.37  | 5            | 1         | 5                       | 1    | 95                 | 600                   | 10.7                              | 6.54                                  | $\geq 30$                   | -8                                       | -3   |
| BZX384B3V6  | B4           | 3.53                               | 3.6  | 3.67  | 5            | 1         | 5                       | 1    | 90                 | 600                   | 10.6                              | 6.6                                   | $\geq 30$                   | -8                                       | -3   |
| BZX384B3V9  | B5           | 3.82                               | 3.9  | 3.98  | 5            | 1         | 3                       | 1    | 90                 | 600                   | 10.4                              | 6.73                                  | $\geq 30$                   | -7                                       | -3   |
| BZX384B4V3  | B8           | 4.21                               | 4.3  | 4.39  | 5            | 1         | 3                       | 1    | 90                 | 600                   | 10.1                              | 6.93                                  | $\geq 30$                   | -6                                       | -1   |
| BZX384B4V7  | B9           | 4.61                               | 4.7  | 4.79  | 5            | 1         | 3                       | 2    | 80                 | 500                   | 12.3                              | 8.14                                  | $\geq 30$                   | -5                                       | 2    |
| BZX384B5V1  | B0           | 5                                  | 5.1  | 5.2   | 5            | 1         | 2                       | 2    | 60                 | 480                   | 12.1                              | 9.87                                  | $\geq 30$                   | -3                                       | 4    |
| BZX384B5V6  | K1           | 5.49                               | 5.6  | 5.71  | 5            | 1         | 1                       | 2    | 40                 | 400                   | 10.5                              | 10.7                                  | $\geq 30$                   | -2                                       | 6    |
| BZX384B6V2  | K2           | 6.08                               | 6.2  | 6.32  | 5            | 1         | 3                       | 4    | 10                 | 150                   | 10.3                              | 9.66                                  | $\geq 30$                   | -1                                       | 7    |
| BZX384B6V8  | K3           | 6.66                               | 6.8  | 6.94  | 5            | 1         | 2                       | 4    | 15                 | 80                    | 9.4                               | 10.6                                  | $\geq 30$                   | 2                                        | 7    |
| BZX384B7V5  | K4           | 7.35                               | 7.5  | 7.65  | 5            | 1         | 1                       | 5    | 15                 | 80                    | 8.6                               | 11.54                                 | $\geq 30$                   | 3                                        | 7    |
| BZX384B8V2  | K5           | 8.04                               | 8.2  | 8.36  | 5            | 1         | 0.7                     | 5    | 15                 | 80                    | 7.9                               | 12.6                                  | $\geq 30$                   | 4                                        | 7    |
| BZX384B9V1  | K6           | 8.92                               | 9.1  | 9.28  | 5            | 1         | 0.5                     | 6    | 15                 | 100                   | 7.4                               | 13.55                                 | $\geq 30$                   | 5                                        | 8    |
| BZX384B10   | K7           | 9.8                                | 10   | 10.2  | 5            | 1         | 0.2                     | 7    | 20                 | 150                   | 6.75                              | 14.8                                  | $\geq 30$                   | 5                                        | 8    |
| BZX384B11   | K8           | 10.78                              | 11   | 11.22 | 5            | 1         | 0.1                     | 8    | 20                 | 150                   | 6.1                               | 16.4                                  | $\geq 30$                   | 5                                        | 9    |
| BZX384B12   | K9           | 11.76                              | 12   | 12.24 | 5            | 1         | 0.1                     | 8    | 25                 | 150                   | 5.43                              | 18.4                                  | $\geq 30$                   | 6                                        | 9    |
| BZX384B13   | K0           | 12.74                              | 13   | 13.26 | 5            | 1         | 0.1                     | 8    | 30                 | 170                   | 5.15                              | 19.4                                  | $\geq 30$                   | 7                                        | 9    |
| BZX384B15   | 2C           | 14.7                               | 15   | 15.3  | 5            | 1         | 0.05                    | 10.5 | 30                 | 200                   | 4.5                               | 22                                    | $\geq 30$                   | 7                                        | 9    |
| BZX384B16   | 3C           | 15.68                              | 16   | 16.32 | 5            | 1         | 0.05                    | 11.2 | 40                 | 200                   | 3.96                              | 25.2                                  | $\geq 30$                   | 8                                        | 9.5  |
| BZX384B18   | 4C           | 17.64                              | 18   | 18.36 | 5            | 1         | 0.05                    | 12.6 | 45                 | 225                   | 3.69                              | 27.1                                  | $\geq 30$                   | 8                                        | 9.5  |
| BZX384B20   | 5C           | 19.6                               | 20   | 20.4  | 5            | 1         | 0.05                    | 14   | 55                 | 225                   | 3.18                              | 31.4                                  | $\geq 30$                   | 8                                        | 10   |
| BZX384B22   | 6C           | 21.56                              | 22   | 22.44 | 5            | 1         | 0.05                    | 15.4 | 55                 | 250                   | 2.8                               | 35.6                                  | 25                          | 8                                        | 10   |
| BZX384B24   | 7C           | 23.52                              | 24   | 24.48 | 5            | 1         | 0.05                    | 16.8 | 70                 | 250                   | 2.61                              | 38.3                                  | 25                          | 8                                        | 10   |
| BZX384B27   | 8C           | 26.46                              | 27   | 27.54 | 2            | 0.5       | 0.05                    | 18.9 | 80                 | 300                   | 2.3                               | 43.5                                  | 20                          | 8                                        | 10   |
| BZX384B30   | 9C           | 29.4                               | 30   | 30.6  | 2            | 0.5       | 0.05                    | 21   | 80                 | 300                   | 2.2                               | 46.3                                  | 20                          | 8                                        | 10   |
| BZX384B33   | 0C           | 32.34                              | 33   | 33.66 | 2            | 0.5       | 0.05                    | 23.1 | 80                 | 325                   | 1.88                              | 53.1                                  | 15                          | 8                                        | 10   |
| BZX384B36   | 2B           | 35.28                              | 36   | 36.72 | 2            | 0.5       | 0.05                    | 25.2 | 90                 | 350                   | 1.74                              | 57.4                                  | 15                          | 8                                        | 10   |
| BZX384B39   | 3B           | 38.22                              | 39   | 39.78 | 2            | 0.5       | 0.05                    | 27.3 | 130                | 350                   | 1.49                              | 67.1                                  | 14                          | 10                                       | 12   |
| BZX384B43   | 4B           | 42.14                              | 43   | 43.86 | 2            | 0.5       | 0.05                    | 30.1 | 150                | 375                   | 1.41                              | 70.9                                  | 14                          | 10                                       | 12   |
| BZX384B47   | 5B           | 46.06                              | 47   | 47.94 | 2            | 0.5       | 0.05                    | 32.9 | 170                | 375                   | 1.21                              | 82.6                                  | 14                          | 10                                       | 12   |
| BZX384B51   | 6B           | 49.98                              | 51   | 52.02 | 2            | 0.5       | 0.05                    | 35.7 | 180                | 400                   | 1.16                              | 86.2                                  | 14                          | 10                                       | 12   |
| BZX384B56   | 7B           | 54.88                              | 56   | 57.12 | 2            | 0.5       | 0.05                    | 39.2 | 200                | 425                   | 1.00                              | 100                                   | 12                          | 9                                        | 11   |
| BZX384B62   | 8B           | 60.76                              | 62   | 63.24 | 2            | 0.5       | 0.05                    | 43.4 | 215                | 450                   | 0.96                              | 105                                   | 12                          | 9                                        | 12   |
| BZX384B68   | 9B           | 66.64                              | 68   | 69.36 | 2            | 0.5       | 0.05                    | 47.6 | 240                | 475                   | 0.83                              | 120                                   | 9                           | 10                                       | 12   |
| BZX384B75   | 0B           | 73.5                               | 75   | 76.5  | 2            | 0.5       | 0.05                    | 52.5 | 255                | 500                   | 0.81                              | 123                                   | 9                           | 10                                       | 12   |

**Notes**(1) Pulse test  $t_p = 5\text{ ms}$ (2) Pulse test:  $t_p = 8/20\text{ }\mu\text{s}$  according to IEC 61000-4-5

(3) Contact and air discharge according to IEC 61000-4-2

**PACKAGE DIMENSIONS** in millimeters (inches): **SOD-323**


Footprint recommendation:



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