

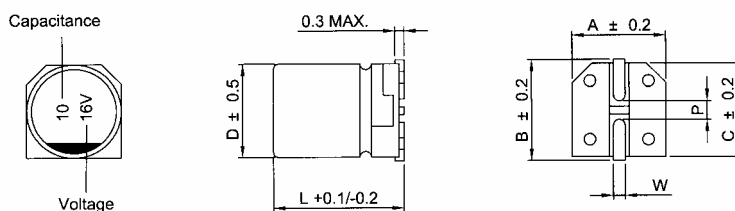
- SMD TYPE Reflow Soldering is available
- Life 2000 hours at 105°C
- Available For High Density Mounting

Characteristics

Voltage Range	6.3 to 450 VDC											
Capacitance Range	0.1 to 6800uF											
Temperature Range	-40 to +105°C											
Capacitance Tolerance	+20% -20% (at 20°C, 120Hz)											
Leakage Current	SIZE A~F: I≤0.01CV or 3uA, whichever is greater 2 minutes after Rated Voltage applied SIZE G~I(6.3V~100V): I≤0.03CV whichever is greater 1 minutes after Rated Voltage applied SIZE G~I (160V~450V): I≤0.04CV +100Ua whichever is greater 1 minutes after Rated Voltage applied											
Dissipation Factor (tan δ)Max (at 20°C, 120Hz)	Voltage (V)	6.3	10	16	25	35	50	63	100	160~250	400~450	
	SIZE A~C	0.3	0.24	0.2	0.16	0.14	0.14	0.1	-	-	-	
	SIZE D~F	0.45	0.35	0.28	0.18	0.16	0.14	0.12	0.12	-	-	
	SIZE G~I	0.40	0.38	0.34	0.26	0.22	0.18	0.14	0.1	0.20	0.25	
Stability at Low Temperature (at 120Hz)	Voltage (V)		6.3	10	16	25	35	50	63	100	160~250	400~450
	Z -25°C	SIZE A~F	4	3	2	2	2	2	2	3	-	-
	/Z +20°C	SIZE G~I	5	4	3	2	2	2	2	2	3	6
	Z -40°C	SIZE A~F	12	8	6	4	3	3	3	4	-	-
/Z 20°C	SIZE G~I	10	8	6	4	3	3	3	3	6	10	
Load Life	After the rated voltage has been applied for 2000 hours at 105°C		Capacitance change	Within ±25% of initial value(SIZE G~I: ±20%)								
			D.F. tanδ	200% or less of initial specified value								
			Leakage current	Less than Initial specified value								
Shelf Life	After storage for 1000 hours at 105°C, with no voltage applied and being stabilized at +20°C, Capacitor shall meet the limit specified in load life.											

Diagram of dimensions

SIZE	Dφ	L	A	C	B	W	P
A	4	5.5	4.3	4.3	5.1	0.5~0.8	1.0
B	5	5.5	5.3	5.3	5.9	0.5~0.8	1.4
C	6.3	5.5	6.6	6.6	7.2	0.5~0.8	2.0
D	8	6.5	8.3	8.3	9.0	0.5~0.8	2.2
E	8	10.5	8.3	8.3	9.0	0.8~1.1	3.1
F	10	10.5	10.3	10.3	11.0	0.8~1.1	4.5
G	12.5	13.5	12.8	12.8	14.4	1.1~1.4	4.6
H	12.5	16.0	12.8	12.8	14.4	1.1~1.4	4.6
I	16	16.5	16.3	16.3	17.6	1.8~12.2	6.0



Case size & Maximum Ripple Current

mA rms 105°C 120Hz

Cap. ^{WV}	6.3		10		16		25		35		50	
μF	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											A	2
0.22											A	3
0.33											A	4
0.47											A	5
1											A	10
2.2											A	16
3.3											A	18
4.7											A,B	16/20
10					A	17	B	23	B	27	C	32
22					B	30	C	38	C	44	C,D	47/55
33			A,B	30	B	45	C	50	C,D	54	C8,E	65/135
47	B	30	C	48	C	48	C	60	C8,D	80	C8,E	80/155
100	C	69	C,D	69	D	69	C8,E	100/180	E	320	E,F	230/375
220	C,D	120	C,D	120	C8,E	120/185	E	320	F	375	F	375
330	E	290	E	290	E,F	290	F	375	F	410	G	500
470	E	320	E,F	320,410	E,F	320/440	F	410	G	520	I	550
1000	F	410	F	410	G	550	H	550	I	750		
2200	G	680	H	750	I	950	I	820				
3300	H	850	I	1000	I	950						
4700	I	1000	I	1000								
6800	I	1000										

Cap. ^{WV}	63		100		160		200		250		400		450	
μF	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.47	A	5												
1	A	8												
2.2	A	12												
3.3	B	17							G	65			G	40
4.7	C	22							G	68	G	50	G	50
10	C	32					G	80	G	72	G	65	H	55
22	C8	58	E	100			G	90	G	90	I	85	I	85
33	E	140	F	150	G	95	H	110	I	180				
47	E	170	G	250	H	110	I	220	I	180				
100	F	310	G	380	I	190								
220	G	470	I	450										
330	I	700												
470	I	700												