

- SMD Low Impedance Type. Reflow Soldering is available.
- Life 2000 hours at 105°C
- Available For High Density Mounting

### Characteristics

<b>Voltage Range</b>	6.3 to 50 VDC						
<b>Capacitance Range</b>	1.0 to 1000uF						
<b>Temperature Range</b>	-40 to +105°C						
<b>Capacitance Tolerance</b>	+20% -20% (at 20°C, 120Hz)						
<b>Leakage Current</b>	I≤0.01CV or 3uA, whichever is greater 2 minutes after Rated Voltage applied						
<b>Dissipation Factor (tan δ)Max</b>	Rated Voltage (V)	6.3	10	16	25	35	50
	D.F.( tanδ)	0.22	0.19	0.16	0.14	0.12	0.12
	(at 20°C, 120Hz)						
<b>Stability at Low Temperature</b>	Impedance ration at 120Hz						
	Rated Voltage (V)	6.3	10	16	25	35	50
	Z-25°C/Z 20°C	3	3	2	2	2	2
	Z-40°C/Z 20°C	6	6	4	4	3	3
<b>Load Life</b>	After the rated voltage has been applied for 2000 hours at 105°C	Capacitance change	Within ±25% of initial value				
		D.F. (tanδ)	200% or less of initial specified value				
		Leakage current	less than initial specified value				
<b>Shelf Life</b>	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.						

### Case size & Maximum Ripple Current (mA rms 105°C 100KHZ) & Imp. (Ω 20°C 100KHZ)

Cap. uF	6.3			10			16			25			35			50		
	Size	R.C.	Imp.	Size	R.C.	Imp.	Size	R.C.	Imp.	Size	R.C.	Imp.	Size	R.C.	Imp.	Size	R.C.	Imp.
1																A	30	5
2.2																A	30	5
3.3																A	30	5
4.7													A	80	1.80	B	85	1.52
10							A	80	1.80	B	150	0.76	B	150	0.76	C	165	0.88
22				A	80	1.80	B	150	0.76	B	150	0.76	B	150	0.76	C	165	0.88
33	B	150	0.76	B	150	0.76	C	230	0.44	C	230	0.44	C	230	0.44	C8	185	0.68
47	B	150	0.76	C	230	0.44	C	230	0.44	C	230	0.44	C	230	0.44	C8	185	0.68
100	C	230	0.44	C	230	0.44	C	230	0.44	C8	280	0.34	E	450	0.17	E	300	0.34
220	C	230	0.44	C8	280	0.34	C8	280	0.34	E	450	0.17	E	450	0.17	F	500	0.30
330	C8	280	0.34	E	450	0.17	E	450	0.17	E	450	0.17	F	670	0.15	F	670	0.15
470	E	450	0.17	E	450	0.17	E	450	0.17	F	670	0.15	F	670	0.15			
1000	E	450	0.17	F	670	0.15	F	670	0.15									

### 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	5.7	6.6	6.6	7.2	0.5~0.8	2.0
C8	6.3	7.7	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

