

- | SMD TYPE Reflow Soldering is available
- | Life 2000 hours at 85°C Non-Polarized
- | Available For High Density Mounting

Characteristics

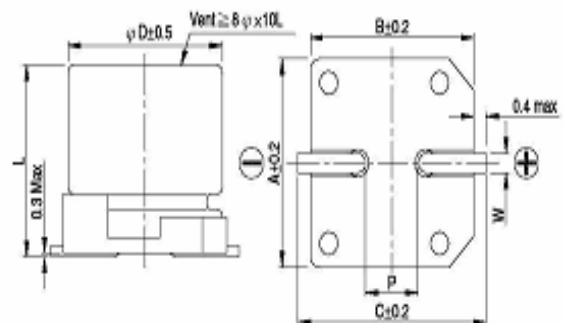
Voltage Range	6.3 to 50VDC						
Capacitance Range	0.1 to 470uF						
Temperature Range	-40 to +85°C						
Capacitance Tolerance	+20% -20% (at 20°C, 120Hz)						
Leakage Current	I ≤ 0.05CV or 10uA, whichever is greater, 2 minutes after Rated Voltage applied, where C = Rated Capacitance, V = Rated DC working voltage						
Dissipation Factor (tanδ)Max (at 20°C, 120Hz)	Rated Voltage (V)	6.3	10	16	25	35	50
	D.F. (tanδ) max	0.24	0.20	0.17	0.17	0.15	0.15
Stability at Low Temperature	Impedance ration at 120Hz						
	Rated Voltage (V)	6.3	10	16	25	35	50
	Z-25°C/Z 20°C	4	3	2	2	2	2
	Z-40°C/Z 20°C	8	6	4	3	3	3
Load Life	After the rated voltage has been applied for 2000 hours at 85°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				
Shelf Life	After storage for 1000 hours at 85°C, with no voltage applied and being stabilized at +20°C, Capacitor shall meet the limit specified in load life. Pre-treatment of DC working voltage applied for 30 minutes Shall be conducted before measurement.						

Multiplier for Ripple Current vs Frequency

Frequency (Hz)	50	60	120	500	1K	≥ 10K
Correction Factor	0.80	0.80	1.00	1.20	1.30	1.90

Diagram of dimensions

SIZE	Df	L	A	B	C	W	P
A	4	5.5	4.3	4.3	4.9	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
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	2.3
E	8	10.5	8.3	8.3	9.0	0.7~1.1	3.1
F	10	10.5	10.3	10.3	11.0	0.7~1.1	4.7



Case size & Maximum Ripple Current

mA rms 85°C 120Hz

Cap. WV	6.3		10		16		25		35		50	
uF	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											A	1.0
0.22											A	2.0
0.33											A	2.8
0.47											A	4.0
1											A	8.4
2.2									A	8.4	B	13
3.3							A	12	B	16	B	17
4.7					A	12	B	16	B	18	C	20
10			A	17	A B	23 23	B C	27 27	C	29	C	32
22	A B	28 32	B C	33 37	B C	33 37	C	40	C	45	E	60
33	B	37	C	41	C	49	C8 D	51 55	E	58	F	75
47	C	45	C	50	C8 D	51 55	C8 D	56 60	E	64	F	100
100	C8 D	65 70	C8 D	75 80	E	100	E	130				
220	E	120	E	150	F	170						
330	E	160	F	180								
470	F	190										