

- **SMD Low Leakage Type. Reflow Soldering is available.**
- **Life 2000 hours at 85°C**
- **Available For High Density Mounting**

**Characteristics**

<b>Voltage Range</b>	6.3 to 50 VDC							
<b>Capacitance Range</b>	0.1 to 330uF							
<b>Temperature Range</b>	-40 to +85°C							
<b>Capacitance Tolerance</b>	+20% -20% (at 20°C, 120Hz)							
<b>Leakage Current</b>	I≤0.002CV or 0.4uA, 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)	0.26	0.22	0.18	0.16	0.14	0.12	
(at 20°C, 120Hz)								
<b>Stability at Low Temperature</b>	Impedance ration at 120Hz							
	Rated Voltage (V)	4	6.3	10	16	25	35	50
	Z-25°C/Z 20°C	7	4	3	2	2	2	2
Z-40°C/Z 20°C	15	8	6	4	4	3	3	
<b>Load Life</b>	After the rated voltage has been applied for 2000 hours at 85°C	Capacitance change		Within ±25% of initial value				
		D.F. (tanδ)		200% of less of initial specified value				
		Leakage current		Initial specified value of less				
<b>Shelf Life</b>	After storage for 500 hours at 85°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 85°C 120Hz**

Cap. <sup>WV</sup>	6.3		10		16		25		35		50	
	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	A	13
3.3							A	10	A	15	A	17
4.7					A	10	A	16	A	18	C	20
10	A	15	A	23	A	23	C	27	C	29	C	33
22	A	28	A	33	C	37	C	42	C	46	D	52
33	C	37	C	41	C	49	C	52	D	62	D	71
47	C	45	C	52	C	58	D	70	D	80		
100	C	70	D	80	D	92	D	110				
220	D	110	D	135								
330	D	170										

**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

