

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

**Characteristics**

<b>Voltage Range</b>	4 to 450 VDC												
<b>Capacitance Range</b>	0.1 to 6800uF												
<b>Temperature Range</b>	-40 to +85°C												
<b>Capacitance Tolerance</b>	+20% -20% (at 20°C, 120Hz)												
<b>Leakage Current</b>	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												
<b>Dissipation Factor</b> (tan δ)Max  (at 20°C, 120Hz)	Voltage (V)	4	6.3	10	16	25	35	50	63	100	160~250	400~450	
	SIZE A~C	0.4	0.26	0.22	0.18	0.16	0.13	0.12	-	-	-	-	
	SIZE D~F	-	0.35	0.26	0.20	0.16	0.14	0.12	0.12	0.10	-	-	
	SIZE G~I	-	0.38	0.34	0.30	0.26	0.22	0.18	0.14	0.1	0.20	0.25	
<b>Stability at Low Temperature</b> (at 120Hz)	Voltage (V)	4	6.3	10	16	25	35	50	63	100	160~250	400~450	
	Z -25°C	SIZE A~F	7	4	3	3	2	2	2	2	3	-	-
	/Z +20°C	SIZE G~I			5	4	2	3	2	2	2	3	6
	Z -40°C	SIZE A~F	17	17	10	4	3	2	2	3	4		
/Z 20°C	SIZE G~I			12	10	5	4	3	3	3	6	10	
<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% or less of initial specified value										
		Leakage current	Less than Initial specified value										
<b>Shelf Life</b>	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.												

**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
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
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



