

Features

- Load Life : 105°C 1000hours.
- For high density mounting.
- Low impedance at 100KHz.



SPECIFICATION

Item	Characteristic							
Operation Temperature Range	-55 ~ +105°C							
Rated Working Voltage	6.3 ~ 50VDC							
Capacitance Tolerance (120Hz 20°C)	±20%(M)							
Leakage Current (20°C)	$I \leq 0.01CV$ or $3 (\mu A)$				I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)			
	*Whichever is greater after 2 minutes							
Surge Voltage (20°C)	W.V.	6.3	10	16	25	35	50	
	S.V.	8	13	20	32	44	63	
Add 0.02 per 1000 μF for more then 1000 μF								
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.		6.3	10	16	25	35	50
	tan δ	$\phi 4 \sim \phi 6.3$	0.24	0.20	0.16	0.14	0.12	0.12
		$\phi 8 \sim \phi 10$	0.28	0.24	0.20	0.16	0.14	0.14
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)		6.3	10	16	25	35	50
	-25°C / +20°C		3	2	2	2	2	2
	-55°C / +20°C		5	4	4	3	3	3
Load Life	After hours ($\phi D \leq 6.3mm$ 1000 hours, $\phi \geq 8mm$ 2000 hours) application of WV at +105°C the capacitor shall meet the following limits.							
	Capacitance Change	$\leq \pm 25\%$ of initial value						
	Dissipation Factor	$\leq 200\%$ of initial specified value						
	Leakage current	\leq initial specified value						
Shelf Life	At +105°C, no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (With voltage treatment)							
Resistance to Soldering Heat	Capacitor placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.							
	Capacitance Change	$\leq \pm 10\%$ of initial value						
	Dissipation Factor	\leq initial specified value						
	Leakage current	\leq initial specified value						

DIMENSIONS (mm)

D	L	A	H	I	W	P	K
4.0	5.8	4.3	5.5MAX	1.8	0.65±0.1	1.0	0.35 $\begin{smallmatrix} +0.15 \\ -0.20 \end{smallmatrix}$
5.0	5.8	5.3	6.5MAX	2.2	0.65±0.1	1.5	0.35 $\begin{smallmatrix} +0.15 \\ -0.20 \end{smallmatrix}$
6.3	5.8	6.6	7.8MAX	2.6	0.65±0.1	2.1	0.35 $\begin{smallmatrix} +0.15 \\ -0.20 \end{smallmatrix}$
6.3	7.7	6.6	7.8MAX	2.6	0.65±0.1	2.1	0.35 $\begin{smallmatrix} +0.15 \\ -0.20 \end{smallmatrix}$
8.0	10.2	8.3	10.0MAX	3.4	0.90±0.2	3.1	0.70±0.2
10.0	10.2	10.3	12.0MAX	3.5	0.90±0.2	4.6	0.70±0.2



