

Features

- Height : 6.1mm height Max. ($\leq \phi 6.3$)
- Load life : 105°C 2000 hours.



● SPECIFICATION

Item	Characteristic								
Operation Temperature Range	-55 ~ +105°C								
Rated Working Voltage	4 ~ 50VDC								
Capacitance Tolerance (120Hz 20°C)	±20%(M)								
Leakage Current (20°C)	$I \leq 0.01CV$ or $3 (\mu A)$				I : Leakage Current (μA)				
	*Whichever is greater after 2 minutes				C : Rated Capacitance (μF)				
					V : Working Voltage (V)				
Surge Voltage (20°C)	W.V.	4	6.3	10	16	25	35	50	
	S.V.	5	8	13	20	32	44	63	
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	4	6.3	10	16	25	35	50	
	tan δ	$\phi 4 \sim \phi 6.3$	0.50	0.30	0.22	0.16	0.14	0.12	0.12
		$\phi 8 \sim \phi 10$	0.50	0.35	0.26	0.20	0.16	0.14	0.12
Low Temperature Stability	Impedance ratio at 120Hz								
	Rated Voltage (V)		4	6.3	10	16	25	35 ~ 50	
	-25°C / +20°C		7	4	3	2	2	2	
	-40°C / +20°C		15	8	6	4	4	3	
Load Life	After 2000 hours application of WV at +105°C the capacitor shall meet the following limits.								
	Capacitance Change	$\leq \pm 25\%$ of initial value (4WV $\pm 35\%$)							
	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 ^{+0.15} _{-0.20}
5.0	5.8	5.3	6.5MAX	2.2	0.65±0.1	1.5	0.35 ^{+0.15} _{-0.20}
6.3	5.8	6.6	7.8MAX	2.6	0.65±0.1	2.1	0.35 ^{+0.15} _{-0.20}
8.0	6.2	8.3	9.5MAX	3.4	0.65±0.1	2.2	0.35 ^{+0.15} _{-0.20}
8.0	10.2	8.3	10.0MAX	3.4	0.90±0.2	3.1	0.70 ^{+0.15} _{-0.20}
10.0	10.2	10.3	12.0MAX	3.5	0.90±0.2	4.6	0.70 ^{+0.15} _{-0.20}



