

Features

- Load Life : 105°C 1000~2000 hours.
- 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 ≤ 0.01CV or 3 (μA)								
	*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 than 1000 μF								
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.								
	tan δ	φ4 ~ φ6.3	0.24	0.20	0.16	0.14	0.12	0.12	
		φ8 ~ φ10	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 (φD ≤ 6.3mm 1000 hours, φD ≥ 8mm 2000 hours) application of W.V. and +105°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage ≤ rate working voltage)								
	Capacitance Change	≤ ±25% of initial value							
	Dissipation Factor	≤ 200% of initial specified value							
	Leakage current	≤ 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	≤ ±10% of initial value							
	Dissipation Factor	≤ initial specified value							
	Leakage current	≤ 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}
6.3	7.7	6.6	7.8MAX	2.6	0.65±0.1	2.1	0.35 ^{+0.15} _{-0.20}
8.0	10.2	8.3	10.0MAX	3.4	0.90±0.2	3.1	0.70±0.2
10.0	10.2	10.3	12.0MAX	3.5	0.90±0.2	4.6	0.70±0.2



