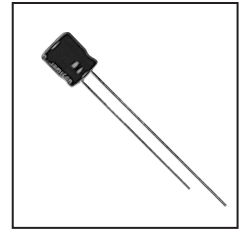


- Wide temperature range series with 5mm height.
- Corresponding product to RoHS

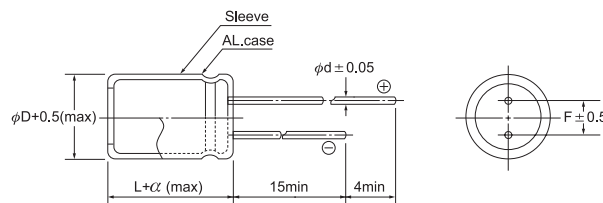


SPECIFICATION

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 ≤ 0.01CV or 3 (μA)				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	0.37	0.28	0.24	0.20	0.16	0.13	0.12
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)	4	6.3	10	16	25	35	50
	-25°C / +20°C	6	3	3	2	2	2	2
	-40°C / +20°C	12	8	5	4	3	3	3
Load Life	After 1000 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)							

DIMENSIONS (mm)

φD	4	5	6.3
F	1.5	2.0	2.5
d	0.45	0.45	0.45
α	1.0	1.0	1.0



CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
Max ripple current : mA(rms) 105°C 120Hz

μF	V(DC) Item	4		6.3		10		16		25		35		50		
		DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	
1.0														→	4x5	8
2.2														→	4x5	11
3.3														→	4x5	14
4.7									→	4x5	14	4x5	15			
10							→	4x5	19	5x5	23	5x5	25	6.3x5	31	
22		4x5	19	4x5	23	5x5	29	5x5	32	6.3x5	39	6.3x5	42			
33		5x5	26	5x5	32	5x5	35	6.3x5	45	6.3x5	48					
47		5x5	32	5x5	38	6.3x5	48	6.3x5	55							
100		6.3x5	55	6.3x5	65											

All blank voltage on sleeve marking is the same voltage as " → " point to.