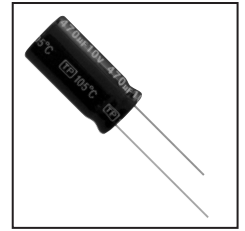


- High temperature 105°C and high reliability.
- Corresponding product to RoHS

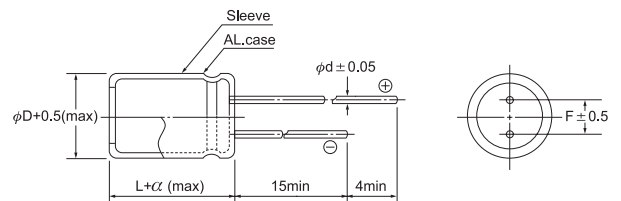


## ● SPECIFICATION

Item	Characteristic				
Operation Temperature Range	-55 ~ +105°C				
Rated Working Voltage	10 ~ 35VDC				
Capacitance Tolerance (120Hz 20°C)	±20%(M)				
Leakage Current (20°C)	I ≤ 0.01CV or 3 (μA) *Whichever is greater after 2 minutes			I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)	
Surge Voltage (20°C)	W.V.	10	16	25	35
	S.V.	13	20	32	44
Dissipation Factor (tan δ) (120Hz 20°C)	Add 0.02 per 1000 μF for more than 1000 μF				
	W.V.	10	16	25	35
Low Temperature Stability	Impedance ratio at 120Hz				
	Rated Voltage (V)	10	16	25	35
	-25°C / +20°C	3	2	2	2
	-55°C / +20°C	4	4	4	4
Load Life	After hours (φD ≤ 10mm 6000 hours, φD ≥ 12.5mm 10000 hours, φD ≥ 16mm 20000 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	≤ ±30% of initial value			
	Dissipation Factor	≤ 300% 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	10	12.5	16	18
F	5.0	5.0	7.5	7.5
d	0.6	0.6	0.8	0.8
α	1.5	2.0	2.0	2.0



## ● RIPPLE CURRENT COEFFICIENTS

Temperature(°C)	≤65	85	105
Multiplier	2.12	1.69	1.00

Frequency(Hz)	120	1k	10k	100k
Multiplier	0.75	0.80	0.90	1.00

● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)  
 Max ripple current : mA(rms) 105°C 100kHz

μF	V(DC) Item	10		16		25		35	
		DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
1								10x12.5	60
2.2								10x12.5	90
3.3								10x12.5	110
4.7								10x12.5	140
10								10x12.5	300
22								10x12.5	350
33								10x12.5	380
47								10x12.5	420
100						10x12.5	420	10x20	670
220				10x16	520	12.5x20	860	12.5x25	1080
330		10x16	510	10x20	680	12.5x25	1170	16x25	1330
470		10x20	680	12.5x20	1000	16x25	1500	16x32	1690
1000		12.5x25	1050	16x25	1410	16x32	1640	18x40	2170
2200		16x32	1740	18x36	2120				
3300		18x36	2050	18x40	2160				
4700		18x40	2290						

RADIAL TYPE