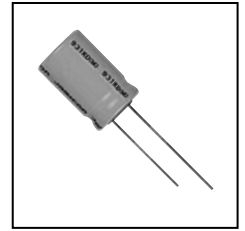


- High reliability withstanding 1000~2000 hours load life at 125°C.

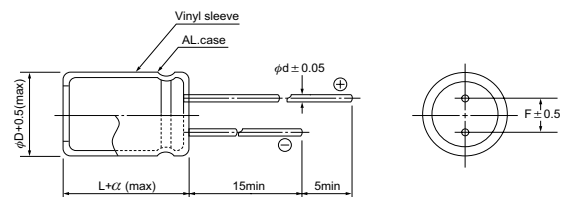


● SPECIFICATION

Item	Characteristic							
Operation Temperature Range	-25 ~ +125°C							
Rated Working Voltage	10 ~ 63VDC							
Capacitance Tolerance (120Hz 20°C)	±20%(M)							
Leakage Current (20°C)	I ≤ 0.002CV or 2 (μA) Whichever is greater after 5 minutes				I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)			
Surge Voltage (20°C)	W.V.	10	16	25	35	50	63	
	S.V.	13	20	32	44	63	79	
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	10	16	25	35	50	63	
	tan δ	0.35	0.22	0.20	0.17	0.15	0.12	
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)	10	16	25	35	50	63	
	-25°C / +20°C	8	6	4	3			
Load Life	After hours (φD ≤ 8mm 1000 hours, φD ≥ 10mm 2000 hours) application of WV at +125°C the capacitor shall meet the following limits.							
	Capacitance Change	≤ ±25% of initial value						
	Dissipation Factor	≤ 200% of initial specified value						
	Leakage current	≤ initial specified value						
Shelf Life	At +125°C no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (with voltage treatment)							

● DIMENSIONS (mm)

φD	8	10	12.5
F	3.5	5.0	5.0
d	0.6	0.6	0.6
α	1.5	1.5	1.5



● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
 Max ripple current : mA(rms) 125°C 120Hz

μF	V(Code)		10 (1A)		16 (1C)		25 (1E)	
	Code	Item	DxL	R.C.	DxL	R.C.	DxL	R.C.
33	330					→	8x11.5	110
47	470			→	8x11.5	117	8x11.5	117
100	101		8x11.5	123	10x12.5	158	10x16	203
220	221		10x16	214	10x20	275	10x20	279
330	331		10x16	224	12.5x20	360	12.5x25	425
470	471		10x20	292	12.5x25	462		
1000	102		12.5x20	474				

μF	V(Code)		35 (1V)		50 (1H)		63 (1J)	
	Code	Item	DxL	R.C.	DxL	R.C.	DxL	R.C.
0.47	R47			→	8x11.5	5		
1	010			→	8x11.5	10		
2.2	2R2			→	8x11.5	23		
3.3	3R3			→	8x11.5	35	8x11.5	44
4.7	4R7			→	8x11.5	50	8x11.5	66
10	100			→	8x11.5	87	8x11.5	87
22	220		8x11.5	101	10x12.5	121	10x12.5	121
33	330		10x12.5	138	10x12.5	138	10x16	169
47	470		10x12.5	149	10x16	188	10x20	218
100	101		10x20	268	12.5x20	311	12.5x25	379

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