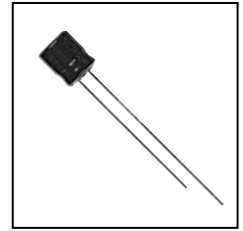


- For general purposes series with 5mm height

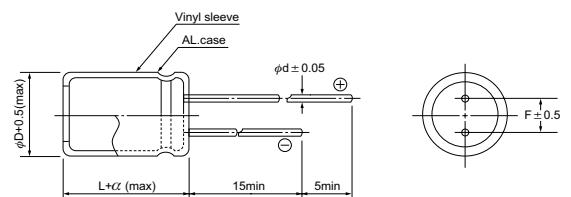


● SPECIFICATION

Item	Characteristic								
Operation Temperature Range	-40 ~ +85°C								
Rated Working Voltage	4 ~ 50VDC								
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.	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	0.35	0.24	0.20	0.16	0.14	0.12	0.10	
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	2	
	-40°C / +20°C	15	8	6	4	4	3	3	
Load Life	After 1000 hours application of W.V. at +85°C, the capacitor shall meet the following limits.								
	Capacitance Change	≤ ±20% of initial value							
	Dissipation Factor	≤ 200% of initial specified value							
	Leakage current	≤ initial specified value							
Shelf Life	At + 85°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	8
F	1.5	2.0	2.5	2.5
d	0.45	0.45	0.45	0.45
α	1.0	1.0	1.0	1.0



● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
 Max ripple current : mA(rms) 85°C 120Hz

μF	V(Code) Code Item	4 (0G)		6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
		DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
0.1	0R1												→	4x5	3
0.15	R15												→	4x5	4
0.22	R22												→	4x5	4
0.33	R33												→	4x5	5
0.47	R47												→	4x5	6
0.68	R68												→	4x5	8
1.0	010												→	4x5	9
1.5	1R5												→	4x5	12
2.2	2R2										→	4x5	13	4x5	14
3.3	3R3								→	4x5	14	4x5	16	4x5	17
4.7	4R7						→	4x5	16	4x5	17	4x5	19	4x5	20
6.8	6R8		→	4x5	19	4x5	17	4x5	19	4x5	21	5x5	26	6.3x5	32
10	100		→	4x5	24	4x5	21	4x5	24	4x5	25	5x5	31	6.3x5	39
15	150		→	4x5	24	4x5	26	5x5	33	5x5	35	6.3x5	44	6.3x5	48
22	220	4x5	24	4x5	29	4x5(5x5)	31(36)	5x5	40	5x5(6.3x5)	43(49)	6.3x5	55	6.3x5(8x5)	60(70)
33	330	4x5	29	4x5(5x5)	35(40)	4x5(5x5)	38(44)	5x5(6.3x5)	49(55)	6.3x5	60	6.3x5(8x5)	65(75)	8x5	85
47	470	4x5	35	5x5	48	5x5(6.3x5)	50(60)	6.3x5	65	6.3x5(8x5)	70(85)	8x5	90		
68	680	5x5	47	6.3x5	65	6.3x5	70	6.3x5	80	8x5	100				
100	101	6.3x5	65	6.3x5	80	6.3x5(8x5)	90(100)	6.3x5(8x5)	100(110)	8x5	120				
220	221	6.3x5	100	8x5	140	8x5	150								
330	331	8x5	140	8x5	170										

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