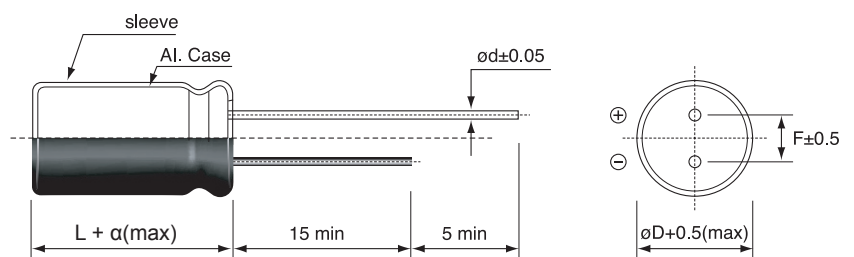


**SPECIFICATION**

Item	Characteristic							
Operation Temperature	-40 ~ 85°C							
Rated Working Voltage	4 ~ 50 V.DC							
Capacitance Tolerance (120Hz 20°C)	±20% (M)							
Leakage Current (120Hz 20°C)	I ≤ 0.01CV or 3 (µA) max Whichever is greater after 2 minutes				I : Leakage Current(µA) C : Rated Capacitance(µF) V : Rated Voltage(V)			
Surge Voltage (120Hz 20°C)	WV	4	6.3	10	16	25	35	50
	SV	5	8	13	20	32	44	63
Dissipation Factor (120Hz 20°C)(tan δ)	WV	4	6.3	10	16	25	35	50
	tanδ	0.35	0.24	0.20	0.16	0.14	0.12	0.10
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Votage (V)	4	6.3	10	16	25	35	50
	-25°C/+25°C	7	4	3	2	2	2	2
-40°C /+25°C	15	8	6	4	4	3	3	
Endurance (Load Life)	After 1000 hours application WV at +85°C, the capacitor shall meet the following limits.							
	Capacitance Change	≤ ±25% of initial value						
	Dissipation Factor	≤ 200% of initial specified value						
Shelf Life	At 85°C no voltage applied after 500Hrs 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							

**DIMENSIONS (mm)**

<b>D</b>	4	5	6.3	8
<b>F</b>	1.5	2.0	2.5	3.5
<b>d</b>	0.45	0.45	0.45	0.50
<b>α</b>	1.5	1.5	1.5	1.5



# CASE SIZE & MAX RIPPLE CURRENT

Size  $\varnothing$ DXL(mm), Ripple Current (mA r.m.s./85°C, 120Hz)

$\mu$ F	WV	4 / 0G		63 / 0J		10 / 1A		16 / 1C		25 / 1E		35 / 1V		50 / 1H	
	ITEM	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
0.1													→	4x5	3
0.15													→	4x5	4
0.22													→	4x5	4
0.33													→	4x5	5
0.47													→	4x5	6
0.68													→	4x5	8
1.0													→	4x5	9
1.5													→	4x5	12
2.2											→	4x5	13	4x5	14
3.3									→	4x5	14	4x5	16	4x5	17
4.7							→	4x5	16	4x5	17	4x5	19	4x5	20
6.8					→	4x5	17	4x5	19	4x5	21	5x5	26	6.3x5	32
10			→	4x5	19	4x5	21	4x5	24	4x5	25	5x5	31	6.3x5	39
										5x5	28				
15			→	4x5	24	4x5	26	5x5	33	5x5	35	6.3x5	44	6.3x5	48
22	4x5	24	4x5	29	4x5	31	4x5	33	5x5	43	6.3x5	55	6.3x7	60	
					5x5	36	5x5	40	6.3x5	55					
33	4x5	29	4x5	35	4x5	38	5x5	49	6.3x5	60	6.3x5	65	8x7	85	
			5x5	40	5x5	44	6.3x5	55			8x7				
47	4x5	35	5x5	48	5x5	50	5x5	50	6.3x5	70	8x7	75			
					6.3x5	60	6.3x5	65	8x7	85					
68	5x5	47	6.3x5	65	6.3x5	70	6.3x5	80	8x7	100					
100	6.3x5	65	6.3x5	80	6.3x5	90	6.3x5	100	8x7	120					
					8x7	100	8x7	110							
200	6.3x5	100	8x7	140	8x7	150									
330	8x7	140	8x7	170											