

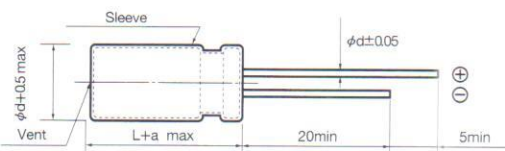
LD Series

- Low impedance at high frequency.(lower than GI series)
- Long life: 3000 hours at 105 °C with rated voltage.

SPECIFICATION

ITEM	SPECIFICATION						
Capacitance Tolerance (120Hz, 20°C)	± 20% (M)						
Rated Working Voltage	6.3~50V						
Operation Temperature Range	-55~+105°C						
Surge Voltage (V)	WV	6.3	10	16	25	35	50
	SV	8	13	20	32	44	63
Dissipation Factor (tan δ) (120Hz, 20°C)	D. F.	0.22	0.19	0.16	0.14	0.12	0.10
	Add 0.02 per 1000 μF for more than 1000μF						
Leakage Current	I ≤ 0.01 CV or 3						
	Whichever is greater after rated voltage applied for 3 minutes						
	I : Leakage Current (μA)	C : Capacitance (μF)		V : Voltage (V)			
Low Temperature Characteristics	Impedance ratio at 120Hz						
	Comparison Z/WV	6.3	10	16	25	35	50
	-40°C/20°C	4	3	3	3	3	3
	-55°C/20°C	6	5	4	4	4	4
Load Life	After 3000 hours application of W.V. at 105°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	After 1000 hours to place at 105°C without rated voltage applied. The capacitor shall meet the limits as same as load life.						
Others	Satisfied JIS C-5141						

DIMENSIONS (unit : mm)



φD	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
od	0.5	0.5	0.6	0.6	0.6	0.8	0.8
a	1.0	1.0	1.0	1.0	2.0	2.0	2.0

RIPPLE CURRENT COEFFICIENTS

Frequency Multipliers

Frequency (Hz)	120	1K	10K	100K
Coefficient	0.4	0.7	0.85	1.0

Temperature Multipliers

Temperature(°C)	75	85	105
Coefficient	1.9	1.6	1.0

