

L7 Series

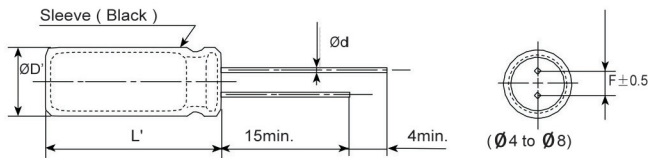
- Miniature series 7mm height
- Endurance: +105°C 2,000 hours
- Wide temperature range of -40°C +105°C
- RoHS Compliant



◆ SPECIFICATIONS

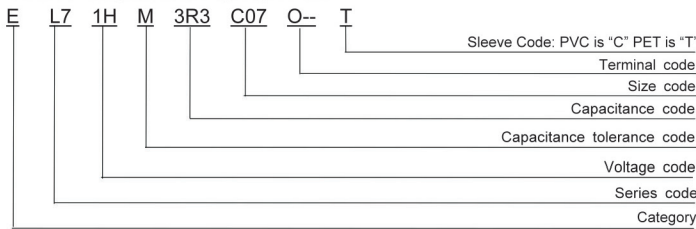
Items	Characteristics								
Category	-40 to +105°C								
Temperature Range	-40 to +105°C								
Rated Voltage Range	6.3 to 63Vdc								
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)								
Leakage Current	I ≦ 0.01CV or 3μA whichever is greater. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 2 minutes)								
Dissipation Factor (tan δ)	Rated voltage (V _{dc})	6.3	10	16	25	35	50	63	(at 20°C, 120Hz)
	tanδ (Max.)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	6.3	10	16	25	35	50	63	(at 120Hz)
	Z(-25°C)/Z(+20°C)	4	3	2					
	Z(-40°C)/Z(+20°C)	8	6	4	3				
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 105°C.								
	Capacitance change	≤ ±20% of the initial value							
	D.F. (tanδ)	≤ 200% of the initial specified value							
	Leakage current	≤ The initial specified value							
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied.								
	Capacitance change	≤ ±20% of the initial value							
	D.F. (tanδ)	≤ 200% of the initial specified value							
	Leakage current	≤ 200% The initial specified value							

◆ DIMENSIONS [mm]



ØD	4	5	6.3	8
Ød	0.45	0.45	0.5	0.5
F	1.5	2.0	2.5	3.5
ØD'	ØD+0.5max.			
L'	L+2max.			

◆ PART NUMBER SYSTEM



※ Sleeve Code and Terminal Code should follow the part number system

◆ RATED RIPPLE CURRENT MULTIPLIERS

Frequency correction factor for ripple current

Freq.(Hz)	50/60	120	1k	10k-100k
6.3 to 16	0.80	1.00	1.30	1.50
25 to 35	0.80	1.00	1.20	1.20
≥ 50	0.80	1.00	1.15	1.20

The endurance of capacitors is shorted with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.

单击下面可查看定价，库存，交付和生命周期等信息

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