

LB Series

- High reliability, Extremely long life series
- Endurance with ripple current: 10000 hours at 105°C
- RoHS Compliant

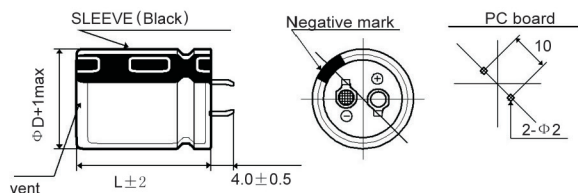
SPECIFICATIONS



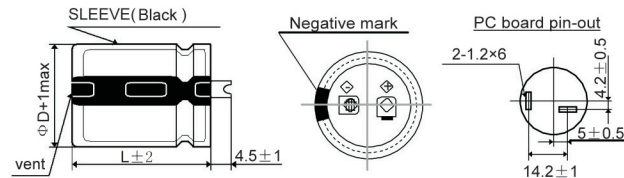
Items	Characteristics			
Category	-25~+105℃			
Temperature Range				
Rated Voltage Range	200V~450V.DC			
Capacitance Tolerance	±20% (M) (at 20℃ , 120Hz)			
Leakage Current	I ≤3 √CV Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20℃ after 5 minutes)			
Dissipation Factor (tan δ)	Rated voltage (V _{dc})	200~400V	450V	(at 20℃ , 120Hz)
	tan δ (Max.)	0.15	0.20	
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	200~400V	450V	(at 120Hz)
	Z(−25℃)/Z(+20℃)	4	8	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied for 10,000 hours at 105℃.			
	Capacitance change	≤±20% of the initial value		
	D.F. (tan δ)	≤250% 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℃ after exposing them for 1,000 hours at 105℃ without voltage applied.			
	Capacitance change	≤±15% of the initial value		
	D.F. (tan δ)	≤150% of the initial specified value		
	Leakage current	≤200% of the initial specified value		

DIMENSIONS [mm]

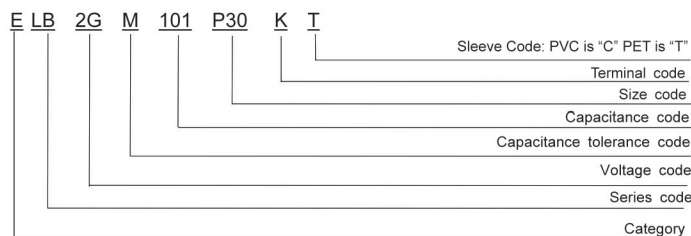
- Terminal Code : K (Φ22 to Φ35) : Standard



- Terminal Code : L (Φ35)



PART NUMBER SYSTEM



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

RATED RIPPLE CURRENT MULTIPLIERS

Frequency correction factor for ripple current

W.V	120	1k	10k	100k
200, 250	1.00	1.32	1.45	1.50
400, 450	1.00	1.30	1.41	1.43

The endurance of capacitors is shortened 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.