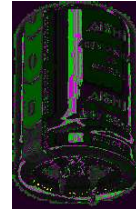


LB series

- High reliability. Extremely long life series
- Endurance with ripple current: 10,000 hours at 105°C
- RoHS Compliant

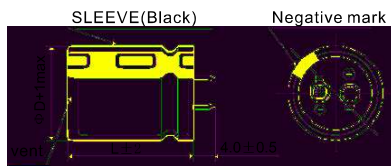


SPECIFICATIONS

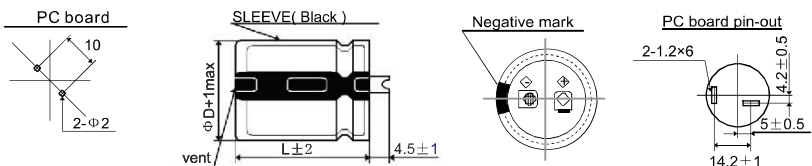
Items	Characteristics			
Category Temperature Range	-25~+105°C			
Rated Voltage Range	200~450V.DC			
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)			
Leakage Current	$I \leq 3\sqrt{CV}$ Where, I:Max.leakage current (μA), C:Nominal capacitance (μF), V: Rated voltage (V) (at 20°C after 5 minutes)			
Dissipation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

DIMENSIONS[mm]

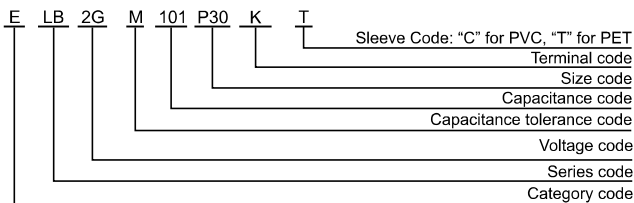
- Terminal Code : K (Φ22 to Φ35) : Standard



- Terminal Code : L (Φ35)



PART NUMBERING SYSTEM



RATED RIPPLE CURRENT MULTIPLIERS

Frequency correction factor for ripple current

Rated voltage(V _{dc})	Freq.(Hz)			
	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.

Snap-in&Lug Terminal Type

LB series

■ STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Size ΦDxL(mm)	tanδ	Rated ripple current (Arms/105°C, 120Hz)	Part Number
200(2D)	220	22×25	0.15	1.01	ELB2DM221O25KT
	270	22×30	0.15	1.09	ELB2DM271O30KT
		25×25	0.15	1.12	ELB2DM271P25KT
	330	22×30	0.15	1.21	ELB2DM331O30KT
		25×25	0.15	1.21	ELB2DM331P25KT
	390	22×35	0.15	1.32	ELB2DM391O35KT
		25×30	0.15	1.29	ELB2DM391P30KT
		30×25	0.15	1.31	ELB2DM391Q25KT
	470	22×40	0.15	1.41	ELB2DM471O40KT
		25×35	0.15	1.42	ELB2DM471P35KT
	560	30×30	0.15	1.40	ELB2DM471Q30KT
		22×45	0.15	1.52	ELB2DM561O45KT
		25×35	0.15	1.51	ELB2DM561P35KT
		30×30	0.15	1.52	ELB2DM561Q30KT
		680	25×40	0.15	1.72
	820	30×35	0.15	1.71	ELB2DM681Q35KT
		25×50	0.15	2.01	ELB2DM821P50KT
		30×40	0.15	2.02	ELB2DM821Q40KT
	1000	35×30	0.15	2.01	ELB2DM821R30KT
		30×45	0.15	2.20	ELB2DM102Q45KT
1200	35×35	0.15	2.21	ELB2DM102R35KT	
	30×50	0.15	2.32	ELB2DM122Q50KT	
1500	35×40	0.15	2.31	ELB2DM122R40KT	
250(2E)	180	35×50	0.15	2.51	ELB2DM152R50KT
	180	22×30	0.15	0.91	ELB2EM181O30KT
		25×25	0.15	0.90	ELB2EM181P25KT
	220	22×30	0.15	1.01	ELB2EM221O30KT
		25×25	0.15	1.00	ELB2EM221P25KT
	270	22×35	0.15	1.11	ELB2EM271O35KT
		25×30	0.15	1.10	ELB2EM271P30KT
	330	30×25	0.15	1.12	ELB2EM271Q25KT
		22×40	0.15	1.20	ELB2EM331O40KT
		25×35	0.15	1.21	ELB2EM331P35KT
	390	30×25	0.15	1.20	ELB2EM331Q25KT
		22×45	0.15	1.30	ELB2EM391O45KT
		25×35	0.15	1.32	ELB2EM391P35KT
	470	30×30	0.15	1.33	ELB2EM391Q30KT
		25×45	0.15	1.40	ELB2EM471P45KT
		30×35	0.15	1.42	ELB2EM471Q35KT
	560	35×30	0.15	1.40	ELB2EM471R30KT
		25×50	0.15	1.51	ELB2EM561P50KT
		30×35	0.15	1.50	ELB2EM561Q35KT
	680	35×30	0.15	1.52	ELB2EM561R30KT
30×45		0.15	1.72	ELB2EM681Q45KT	
820	35×35	0.15	1.71	ELB2EM681R35KT	
	30×50	0.15	2.01	ELB2EM821Q50KT	
1000	35×40	0.15	2.01	ELB2EM821R40KT	
1200	35×45	0.15	2.22	ELB2EM102R45KT	
1500	35×50	0.15	2.32	ELB2EM122R50KT	

WV (V _{dc})	Cap (μF)	Size ΦDxL(mm)	tanδ	Rated ripple current (Arms/105°C, 120Hz)	Part Number
400(2G)	56	22×25	0.15	0.51	ELB2GM560O25KT
	68	22×30	0.15	0.55	ELB2GM680O30KT
		25×25	0.15	0.56	ELB2GM680P25KT
	82	22×35	0.15	0.64	ELB2GM820O35KT
		25×25	0.15	0.65	ELB2GM820P25KT
	100	22×35	0.15	0.70	ELB2GM101O35KT
		25×30	0.15	0.69	ELB2GM101P30KT
	120	22×40	0.15	0.75	ELB2GM121O40KT
		25×35	0.15	0.76	ELB2GM121P35KT
		30×25	0.15	0.75	ELB2GM121Q25KT
	150	22×50	0.15	0.82	ELB2GM151O50KT
		25×40	0.15	0.83	ELB2GM151P40KT
		30×30	0.15	0.82	ELB2GM151Q30KT
	180	25×45	0.15	0.90	ELB2GM181P45KT
		30×35	0.15	0.91	ELB2GM181Q35KT
		35×25	0.15	0.90	ELB2GM181R25KT
	220	25×50	0.15	1.01	ELB2GM221P50KT
		30×40	0.15	1.02	ELB2GM221Q40KT
		35×30	0.15	1.00	ELB2GM221R30KT
	270	30×45	0.15	1.10	ELB2GM271Q45KT
35×35		0.15	1.10	ELB2GM271R35KT	
330	30×50	0.15	1.20	ELB2GM331Q50KT	
	35×40	0.15	1.21	ELB2GM331R40KT	
390	35×45	0.15	1.29	ELB2GM391R45KT	
470	35×50	0.15	1.35	ELB2GM471R50KT	
450(2W)	39	22×25	0.20	0.37	ELB2WM390O25KT
	47	22×30	0.20	0.40	ELB2WM470O30KT
	56	22×35	0.20	0.47	ELB2WM560O35KT
		25×25	0.20	0.48	ELB2WM560P25KT
	68	22×40	0.20	0.53	ELB2WM680O40KT
		25×30	0.20	0.53	ELB2WM680P30KT
	82	22×45	0.20	0.56	ELB2WM820O45KT
		25×35	0.20	0.56	ELB2WM820P35KT
		30×25	0.20	0.56	ELB2WM820Q25KT
	100	22×50	0.20	0.64	ELB2WM101O50KT
		25×40	0.20	0.64	ELB2WM101P40KT
		30×30	0.20	0.64	ELB2WM101Q30KT
	120	25×45	0.20	0.72	ELB2WM121P45KT
		30×30	0.20	0.72	ELB2WM121Q30KT
	150	25×50	0.20	0.79	ELB2WM151P50KT
		30×40	0.20	0.79	ELB2WM151Q40KT
		35×30	0.20	0.78	ELB2WM151R30KT
	180	30×45	0.20	0.87	ELB2WM181Q45KT
		35×35	0.20	0.87	ELB2WM181R35KT
	220	30×50	0.20	1.00	ELB2WM221Q50KT
35×40		0.20	1.01	ELB2WM221R40KT	
270	35×45	0.20	1.19	ELB2WM271R45KT	
330	35×50	0.20	1.38	ELB2WM331R50KT	