

LG series

- Longer life, high ripple current series
- Endurance: 12,000 hours at 85°C
- RoHS Compliant

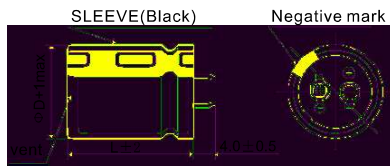


SPECIFICATIONS

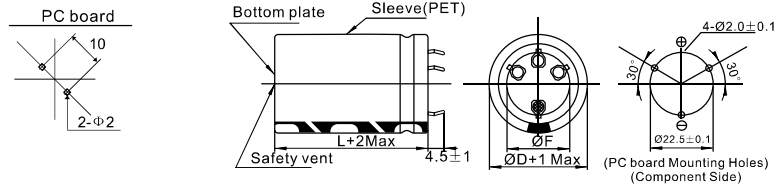
Items	Characteristics	
Category Temperature Range	-25~+85°C	
Rated Voltage Range	350~450V.DC	
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)	
Leakage Current	$I \leq 3\sqrt{CV}$ Where, I:Max.leakage current (µA), C:Nominal capacitance (µF), V: Rated voltage (V) (at 20°C after 5 minutes)	
Dissipation Factor (tanδ)	Rated Voltage(V _{dc})	350~450
	tanδ (max.)	0.20 (at 20°C, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Rated Voltage(V _{dc})	350~450
	Z(-25°C)/Z(+20°C)	8 (at 120Hz)
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 12,000 hours at 85 °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 85°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]

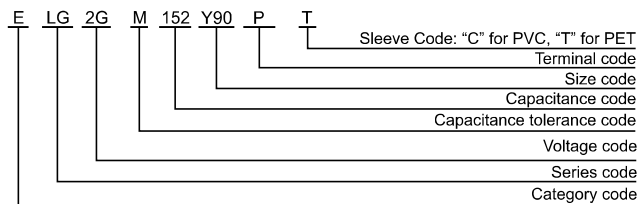
- Terminal Code: K (Φ35)



- Terminal Code: P (Φ35 to Φ45)



PART NUMBERING SYSTEM



RATED RIPPLE CURRENT MULTIPLIERS

Frequency correction factor for ripple current

Rated voltage(V _{dc}) \ Freq.(Hz)	50	120	300	1k	10k	100k
350~450	0.77	1.00	1.16	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.

LG series

■ STANDARD RATINGS

WV (Vdc)	Cap (μF)	Size ΦDxL(mm)	tanδ	Rated ripple current (Arms/85°C, 120Hz)	Part Number
350(2V)	680	35×50	0.20	3.62	ELG2VM681R50KT
	820	35×55	0.20	3.97	ELG2VM821R55KT
		40×50	0.20	4.08	ELG2VM821Y50PT
	1000	35×65	0.20	4.54	ELG2VM102R65KT
		40×55	0.20	4.46	ELG2VM102Y55PT
	1200	35×75	0.20	5.09	ELG2VM122R75PT
		40×60	0.20	4.82	ELG2VM122Y60PT
		45×50	0.20	4.43	ELG2VM122I50PT
	1500	35×95	0.20	5.98	ELG2VM152R95PT
		40×70	0.20	5.47	ELG2VM152Y70PT
		45×60	0.20	5.20	ELG2VM152I60PT
	1800	40×90	0.20	6.51	ELG2VM182Y90PT
		45×65	0.20	5.53	ELG2VM182I65PT
	2200	45×85	0.20	6.73	ELG2VM222I85PT
2700	45×100	0.20	7.62	ELG2VM272IA0PT	
400(2G)	560	35×50	0.20	3.45	ELG2GM561R50KT
	680	35×60	0.20	3.98	ELG2GM681R60KT
		40×50	0.20	3.90	ELG2GM681Y50PT
	820	35×65	0.20	4.32	ELG2GM821R65KT
		40×55	0.20	4.25	ELG2GM821Y55PT
		45×50	0.20	4.27	ELG2GM821I50PT
	1000	35×80	0.20	5.02	ELG2GM102R80PT
		40×65	0.20	4.88	ELG2GM102Y65PT
	1200	45×55	0.20	4.64	ELG2GM102I55PT
		35×90	0.20	5.54	ELG2GM122R90PT
		40×75	0.20	5.47	ELG2GM122Y75PT
	1500	45×60	0.20	4.99	ELG2GM122I60PT
		40×90	0.20	6.30	ELG2GM152Y90PT
		45×70	0.20	5.65	ELG2GM152I70PT
	1800	45×80	0.20	6.28	ELG2GM182I80PT
	2200	45×95	0.20	7.18	ELG2GM222I95PT

WV (Vdc)	Cap (μF)	Size ΦDxL(mm)	tanδ	Rated ripple current (Arms/85°C, 120Hz)	Part Number
420(2T)	560	35×50	0.20	3.39	ELG2TM561R50KT
	680	35×60	0.20	3.92	ELG2TM681R60KT
		40×50	0.20	3.85	ELG2TM681Y50PT
	820	35×65	0.20	4.26	ELG2TM821R65KT
		40×55	0.20	4.21	ELG2TM821Y55PT
	1000	35×80	0.20	4.94	ELG2TM102R80PT
		40×65	0.20	4.82	ELG2TM102Y65PT
		45×50	0.20	4.23	ELG2TM102I50PT
	1200	35×95	0.20	5.58	ELG2TM122R95PT
		40×75	0.20	5.42	ELG2TM122Y75PT
		45×60	0.20	4.97	ELG2TM122I60PT
	1500	40×90	0.20	6.19	ELG2TM152Y90PT
		45×70	0.20	5.63	ELG2TM152I70PT
	1800	45×85	0.20	6.50	ELG2TM182I85PT
2200	45×100	0.20	7.36	ELG2TM222IA0PT	
450(2W)	470	35×50	0.20	3.25	ELG2WM471R50KT
	560	35×55	0.20	3.56	ELG2WM561R55KT
		40×50	0.20	3.70	ELG2WM561Y50PT
	680	35×65	0.20	4.07	ELG2WM681R65KT
		40×55	0.20	4.06	ELG2WM681Y55PT
	820	35×75	0.20	4.55	ELG2WM821R75PT
		40×60	0.20	4.41	ELG2WM821Y60PT
		45×50	0.20	4.14	ELG2WM821I50PT
	1000	35×85	0.20	5.07	ELG2WM102R85PT
		40×70	0.20	5.00	ELG2WM102Y70PT
		45×60	0.20	4.84	ELG2WM102I60PT
	1200	35×100	0.20	5.71	ELG2WM122RA0PT
		40×80	0.20	5.57	ELG2WM122Y80PT
		45×65	0.20	5.18	ELG2WM122I65PT
	1500	40×95	0.20	6.36	ELG2WM152Y95PT
		45×80	0.20	6.13	ELG2WM152I80PT
	1800	45×90	0.20	6.71	ELG2WM182I90PT

Snap-in&Lug Terminal Type