

LBG Series

- For airbag application
- High capacitance, low impedance, and good low temperature behavior
- Endurance with ripple current : 105°C 5000 hours
- Solvent-proof type (see PRECAUTIONS AND GUIDELINES)
- Pb-free design

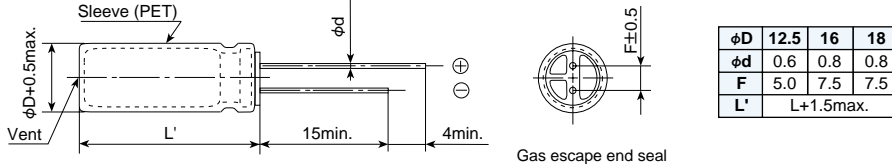


◆ SPECIFICATIONS

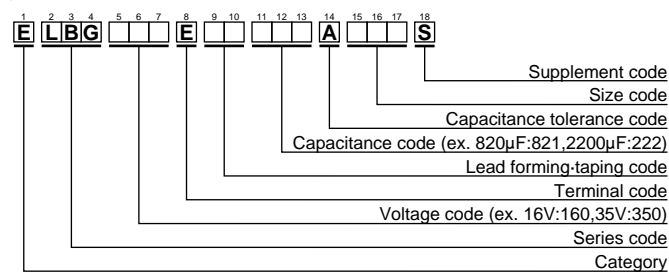
Items	Characteristics			
Category	-55 to +105°C			
Temperature Range				
Rated Voltage Range	16 to 35V _{dc}			
Capacitance Range	820 to 6800µF (at 20°C, 120Hz)			
Capacitance Tolerance	0 to +30% (A) (at 20°C, 120Hz)			
Leakage Current	I=0.01CV Where, I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V) (at 20°C after 2 minutes)			
Dissipation Factor (tanδ)	Rated voltage (V _{dc})	16V	25V	35V
	tanδ (Max.)	0.16	0.14	0.12
	When nominal capacitance exceeds 1000µF, add 0.02 to the value above for each 1000µF increase. (at 20°C, 120Hz)			
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	16V	25V	35V
	Z(-55°C)/Z(+20°C)	3	3	3
Endurance	Impedance at -10°C and 20°C 100kHz in the STANDARD RATINGS (at 120Hz)			
	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 5000 hours at 105°C.			
	Capacitance change	≤±20% of the initial value		
	D.F. (tanδ)	≤200% of the initial specified value		
Shelf Life	Leakage current ≤The initial specified value			
	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 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	≤The initial specified value			

◆ DIMENSIONS [mm]

● Terminal Code : E



◆ PART NUMBERING SYSTEM



Please refer to "A guide to global code (radial lead type)"

◆ RATED RIPPLE CURRENT MULTIPLIERS

● Frequency Multipliers

Capacitance (µF)	Frequency (Hz)			
	120	1k	10k	100k
820 to 1800	0.60	0.87	0.95	1.00
2200 to 3900	0.75	0.90	0.95	1.00
4700 to 6800	0.85	0.95	0.98	1.00

◆ STANDARD RATINGS

WV (V _{dc})	Cap (µF)	Case size φD×L(mm)	Impedance (Ω _{max} /100kHz)		Rated ripple current (mA _{RMS} /105°C,100kHz)	Part No.
			20°C	-10°C		
16	2200	12.5×20	0.038	0.076	1660	ELBG160E□□222AK20S
	2700	12.5×25	0.030	0.060	1950	ELBG160E□□272AK25S
	3300	16×20	0.029	0.058	2210	ELBG160E□□332AL20S
	4700	16×25	0.022	0.044	2560	ELBG160E□□472AL25S
	4700	18×20	0.028	0.056	2490	ELBG160E□□472AM20S
	6800	18×25	0.020	0.040	2740	ELBG160E□□682AM25S
25	1200	12.5×20	0.038	0.076	1660	ELBG250E□□122AK20S
	1800	12.5×25	0.030	0.060	1950	ELBG250E□□182AK25S
	2200	16×20	0.029	0.058	2210	ELBG250E□□222AL20S
	2700	18×20	0.028	0.056	2490	ELBG250E□□272AM20S
25	3300	16×25	0.022	0.044	2560	ELBG250E□□332AL25S
	3900	18×25	0.020	0.040	2740	ELBG250E□□392AM25S
	820	12.5×20	0.038	0.076	1660	ELBG350E□□821AK20S
	1200	12.5×25	0.030	0.060	1950	ELBG350E□□122AK25S
	1500	16×20	0.029	0.058	2210	ELBG350E□□152AL20S
	1800	16×25	0.022	0.044	2560	ELBG350E□□182AL25S
35	1800	18×20	0.028	0.056	2490	ELBG350E□□182AM20S
	2700	18×25	0.020	0.040	2740	ELBG350E□□272AM25S

□□ : Lead forming / Taping code