ALUMINUM ELECTROLYTIC CAPACITORS

LGN

Snap-in Terminal Type, 105°C Smaller-Sized

Smaller

NEW



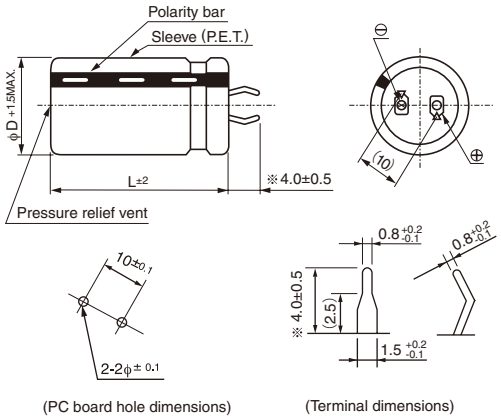
- Withstanding 2000 hours application of rated ripple current at 105°C.
- One rank smaller case sized than LGU.
- Addition of 600V rated voltage.
- Compliant to the RoHS directive (2011/65/EU).

LGU
Smaller
LGN
Smaller
LGG

■Specifications

Item	Performance Characteristics
Category Temperature Range	– 25 to +105°C
Rated Voltage Range	600V
Rated Capacitance Range	56 to 220μF
Capacitance Tolerance	±20% at 120Hz, 20°C
Leakage Current	$I \leqq 3\sqrt{CV}$ (μA) (After 5 minutes' application of rated voltage) [C : Rated Capacitance (μF) V : Voltage (V)]
Tangent of loss angle (tan δ)	0.20MAX. Measurement frequency : 120Hz at 20°C
Stability at Low Temperature	Impedance ratio ZT/Z20 (MAX.) | Z – 25°C/Z+20°C | 8 — Measurement frequency : 120Hz
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after D.C. bias plus rated ripple current is applied for 2000 hours at 105°C, the peak voltage shall not exceed the rated voltage. — Capacitance change: Within ±20% of the initial capacitance value; tan δ: 200% or less than the initial specified value; Leakage current: Less than or equal to the initial specified value
Shelf Life	After storing the capacitors under no load at 105°C for 1000hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the characteristic requirements listed at right. — Capacitance change: Within ±20% of the initial capacitance value; tan δ: 200% or less than the initial specified value; Leakage current: Less than or equal to the initial specified value
Marking	Printed with white color letter on black sleeve.

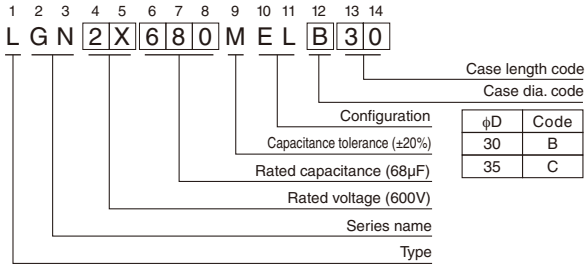
■Drawing



(PC board hole dimensions) (Terminal dimensions)

Minimum order quantity : 50pcs.

Type numbering system (Example : 600V 68μF)



φD	Code
30	B
35	C

● Frequency coefficient of rated ripple current

Frequency (Hz)	50	60	120	300	1k	10k	50k or more
Coefficient	0.77	0.82	1.00	1.16	1.30	1.41	1.43

■Dimensions

600V (2X)				
Cap.(μF)	Size φD×L(mm)	Rated ripple (mArms)	Leakage Current (mA)	Code
56	30 × 25	500	0.55	LGN2X560MELB25
68	30 × 30	560	0.61	LGN2X680MELB30
82	30 × 35	610	0.67	LGN2X820MELB35
	35 × 25	610	0.67	LGN2X820MELC25
100	30 × 40	670	0.73	LGN2X101MELB40
	35 × 30	670	0.73	LGN2X101MELC30
120	30 × 45	740	0.80	LGN2X121MELB45
	35 × 35	740	0.80	LGN2X121MELC35
150	30 × 50	830	0.90	LGN2X151MELB50
	35 × 40	830	0.90	LGN2X151MELC40
180	35 × 45	900	0.99	LGN2X181MELC45
220	35 × 50	1000	1.09	LGN2X221MELC50

Rated ripple current (mArms) at 105°C 120Hz

Design, Specifications are subject to change without notice.