

ALUMINUM ELECTROLYTIC CAPACITORS

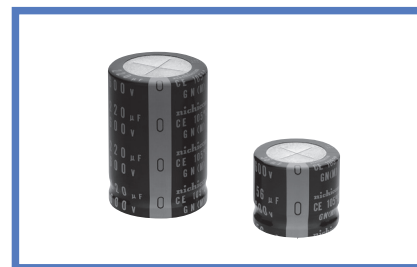
LGN

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

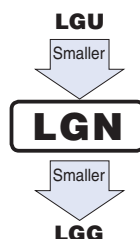


Smaller

TENTATIVE



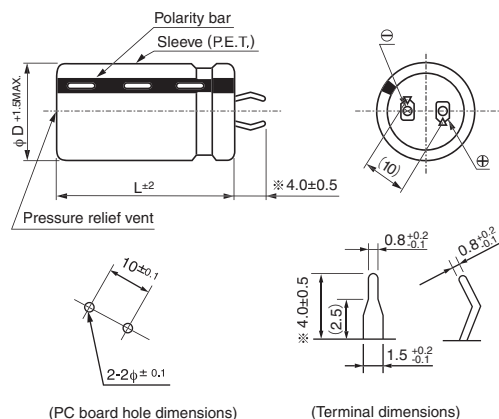
- Withstanding 2000 hours application of rated ripple current at 105°C.
- One rank smaller case sized than LGU.
- Addition of 600V rated voltage.
- Compliant to the RoHS directive (2011/65/EU).



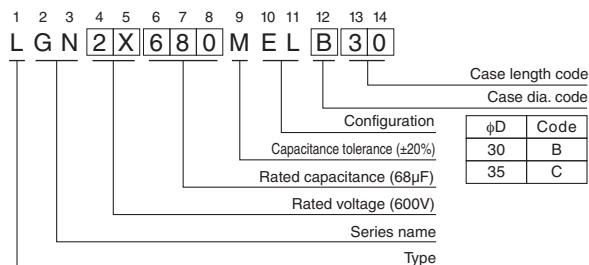
Specifications

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 ≤ 3√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



Type numbering system (Example : 600V 68μF)



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.

NICHICON CORPORATION