

GJ

Snap-in Terminal Type, 105°C Low-Profile Sized

series



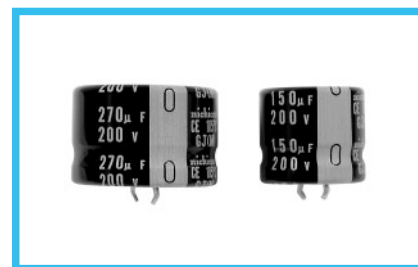
Smaller

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GJ(15)

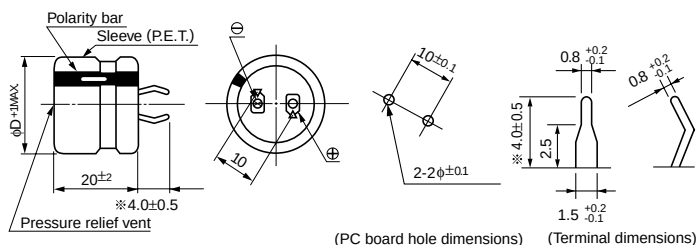


- Withstanding 3000 hours application of rated ripple current at 105°C.
- Ideally suited for flat design for switching power supply.
- Compliant to the RoHS directive (2002/95/EC).

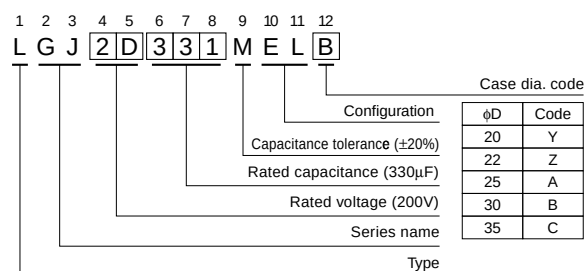
■ Specifications

Item	Performance Characteristics			
Category Temperature Range	－ 40 to +105℃ (160 to 250V) , － 25 to +105℃ (315 to 400V)			
Rated Voltage Range	160 to 400V			
Rated Capacitance Range	39 to 680μF			
Capacitance Tolerance	±20% at 120Hz, 20℃			
Leakage Current	$I \leq 3\sqrt{CV}$ (μA) (After 5 minutes' application of rated voltage) [C : Rated Capacitance (μF) V : Voltage (V)]			
Tangent of loss angle (tan δ)	0.15 MAX. 120Hz 20℃			
Stability at Low Temperature	Measurement frequency : 120Hz			
	Rated voltage(V)		160 to 250	315・400
	Impedance ratio ZT/Z20(MAX.)	Z－25℃/Z+20℃	3	8
		Z－40℃/Z+20℃	12	—
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20℃ after D.C. bias plus rated ripple current is applied for 3000 hours at 105℃, 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℃ for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20℃, they shall meet the requirements listed at right.		Capacitance change	Within ±15% of the initial capacitance value
			tan δ	150% 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 : 200V 330µF)



※ The other terminal is also available upon request.
Please refer to page 265 for schematic of terminal dimensions.

■ Dimensions

V(Code)		160V (2C)		180V (2Z)		200V (2D)		250V (2E)		315V (2F)		400V (2G)	
Cap.(µF)	Code												
39	390											20 × 20	0.32
47	470											22 × 20	0.37
56	560									20 × 20	0.38	25 × 20	0.40
68	680									22 × 20	0.45	25 × 20	0.46
82	820									22 × 20	0.47	30 × 20	0.55
100	101							20 × 20	0.51	25 × 20	0.56	30 × 20	0.60
120	121					20 × 20	0.56	22 × 20	0.60	30 × 20	0.65	35 × 20	0.75
150	151			20 × 20	0.62	22 × 20	0.73	25 × 20	0.74	30 × 20	0.70	35 × 20	0.80
180	181	20 × 20	0.68	22 × 20	0.80	22 × 20	0.80	25 × 20	0.75	35 × 20	0.85		
220	221	22 × 20	0.81	25 × 20	0.90	25 × 20	0.85	30 × 20	0.95	35 × 20	0.90		
270	271	25 × 20	0.98	25 × 20	0.95	30 × 20	1.05	30 × 20	1.00				
330	331	25 × 20	1.02	30 × 20	1.15	30 × 20	1.10	35 × 20	1.16				
390	391	30 × 20	1.25	30 × 20	1.20	35 × 20	1.30						
470	471	30 × 20	1.30	35 × 20	1.36	35 × 20	1.41						
560	561	35 × 20	1.46	35 × 20	1.43								
680	681	35 × 20	1.51										
												Case size φD × L (mm)	Rated ripple

● Frequency coefficient of rated ripple current

Frequency (Hz)	50	60	120	300	1 k	10k	50k or more
160 to 250V	0.81	0.85	1.00	1.17	1.32	1.45	1.50
315 - 400V	0.77	0.82	1.00	1.16	1.30	1.41	1.43

Minimum order quantity : 50pcs.

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