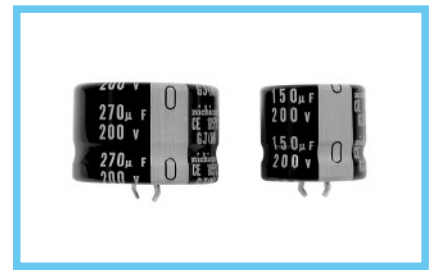
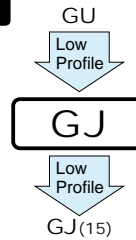


ALUMINUM ELECTROLYTIC CAPACITORS

nichicon

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

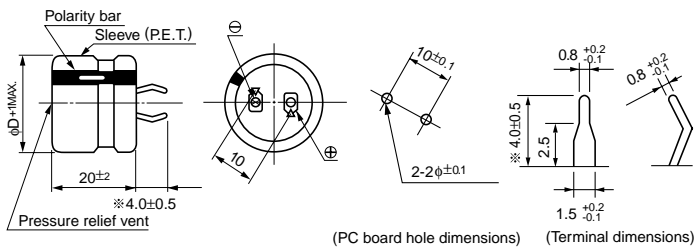


- Withstanding 3000 hours application of rated ripple current at 105°C.
- Ideally suited for flat design for switching power supply.
- Adapted to the RoHS directive (2002/95/EC).

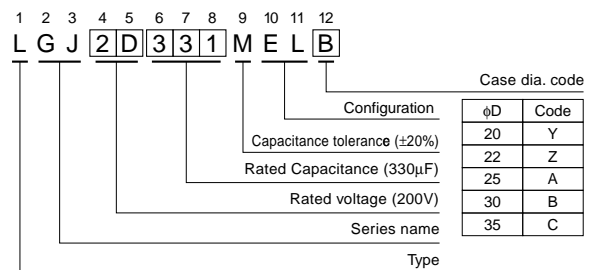
Specifications

Item	Performance Characteristics	
Category Temperature Range	- 40 to +105°C (160 to 250V) , - 25 to +105°C (315 to 400V)	
Rated Voltage Range	160 to 400V	
Rated Capacitance Range	39 to 680µF	
Capacitance Tolerance	±20% at 120Hz, 20°C	
Leakage Current	$I \leq 3\sqrt{CV}$ (µA) (After 5 minutes' application of rated voltage) [C : Rated Capacitance (µF) V : Voltage (V)]	
tan δ	0.15 MAX. 120Hz 20°C	
Stability at Low Temperature	Measurement frequency : 120Hz	
	Rated voltage(V)	
	Z - 25°C/Z+20°C	315 · 400
Endurance	After an application of DC voltage (in the range of rated DC voltage even after over-lapping the specified ripple current) for 3000 hours at 105°C, capacitors meet the characteristic requirements listed at right.	
	Capacitance change	Within ±20% of initial value
	tan δ	200% or less of initial specified value
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the requirements listed at right.	
	Capacitance change	Within ±15% of initial value
	tan δ	150% or less of 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 263 for schematic of terminal dimensions.

Dimensions

Cap.(µF)	V(Code)		160V (2C)		180V (2Z)		200V (2D)		250V (2E)		315V (2F)		400V (2G)	
	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 (Arms) at 105°C 120Hz

CAT.8100W