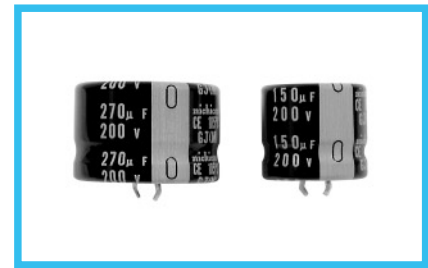
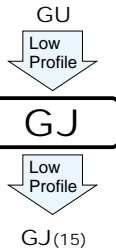


ALUMINUM ELECTROLYTIC CAPACITORS



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

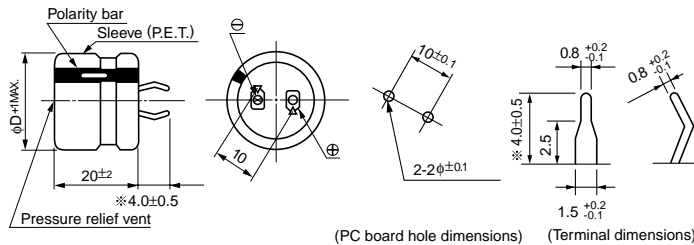


- Withstanding 3000 hours application of rated ripple current at 105°C.
- Ideally suited for flat design for switching power supply.
- Compliant to the RoHS directive (2002/95/EC).

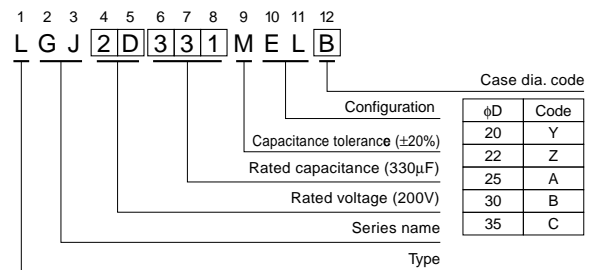
Specifications

Item	Performance Characteristics	
Category Temperature Range	- 40 to +105°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)]	
Tangent of loss angle (tan δ)	0.15 MAX. 120Hz 20°C	
Stability at Low Temperature	Measurement frequency : 120Hz	
	Rated voltage(V)	
	160 to 250	315 + 400
Endurance	Impedance ratio ZT/Z20(MAX.)	Z - 25°C/Z+20°C Z - 40°C/Z+20°C
	Capacitance change	tan δ
Shelf Life	Capacitance change	tan δ
	Leakage current	Leakage current
	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

Cap. (µF)	V(Code)	160V (2C)		180V (2Z)		200V (2D)		250V (2E)		315V (2F)		400V (2G)	
		Code										Case size φD×L (mm)	Rated ripple
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										

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