

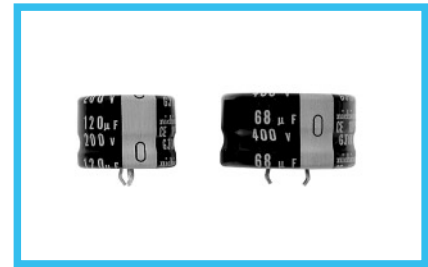
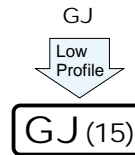
ALUMINUM ELECTROLYTIC CAPACITORS

GJ (15) series

Snap-in Terminal Type, 105°C Low-Profile Sized (15mmL)



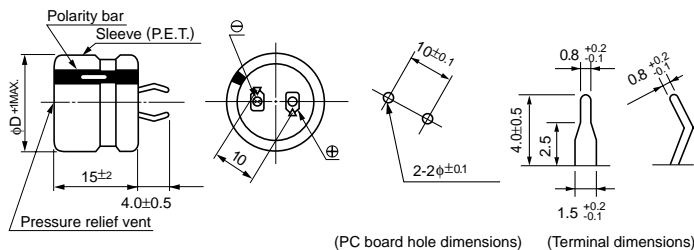
- Withstanding 2000 hours application of rated ripple current at 105°C.
- Smaller than low-profile GJ series.
- Ideally suited for flat design of switching power supply.
- Compliant to the RoHS directive (2002/95/EC).



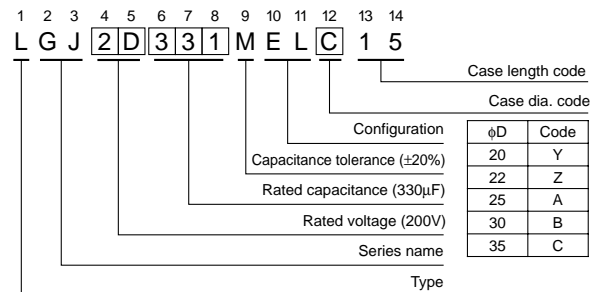
Specifications

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 390μF	
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)	0.20 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 3 8
		Z - 40°C/Z+20°C 12 —
Shelf Life	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
Marking	After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, 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)



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											22 × 15	0.30	
47	470											25 × 15	0.35	
56	560										22 × 15	0.35	30 × 15	0.40
68	680										25 × 15	0.40	30 × 15	0.45
82	820										30 × 15	0.45	35 × 15	0.50
100	101					20 × 15	0.45	22 × 15	0.50		30 × 15	0.50	35 × 15	0.55
120	121			20 × 15	0.50	22 × 15	0.55	25 × 15	0.60		35 × 15	0.55		
150	151	20 × 15	0.55	22 × 15	0.60	25 × 15	0.65	30 × 15	0.70		35 × 15	0.60		
180	181	22 × 15	0.65	25 × 15	0.75	25 × 15	0.75	30 × 15	0.75					
220	221	25 × 15	0.80	30 × 15	0.85	30 × 15	0.90	35 × 15	0.90					
270	271	30 × 15	0.95	30 × 15	1.00	30 × 15	1.00	35 × 15	1.00					
330	331	30 × 15	1.00	35 × 15	1.10	35 × 15	1.10							
390	391	35 × 15	1.20	35 × 15	1.20									

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

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.

CAT.8100Y