

ALUMINUM ELECTROLYTIC CAPACITORS

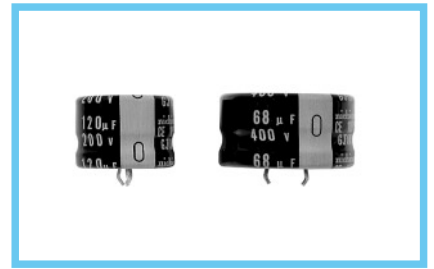
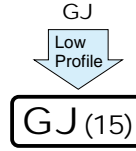


GJ (15)

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



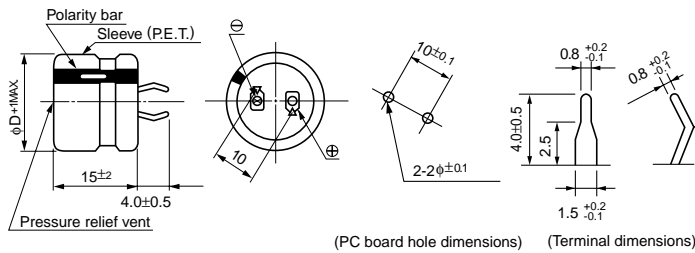
- Withstanding 2000 hours application of rated ripple current at 105°C.
- Smaller than low-profile GJ series.
- Ideally suited for flat design of switching power supply.
- Adapted to the RoHS directive (2002/95/EC).



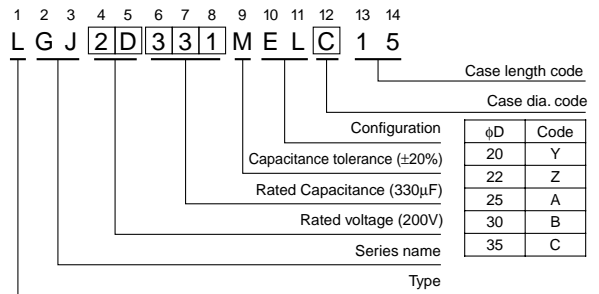
Specifications

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 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)]		
tan δ	0.20 MAX. 120Hz 20°C		
Stability at Low Temperature	Measurement frequency : 120Hz		
	Rated voltage(V)	160 to 250 315 • 400	
	Impedance ratio ZT/Z20(MAX.)	Z - 25°C/Z+20°C 3 8 Z - 40°C/Z+20°C 12 —	
Endurance	After an application of DC voltage (in the range of rated DC voltage even after over-lapping the specified ripple current) for 2000 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 Leakage current Initial specified value or less	
	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 Leakage current Initial specified value or less
		Marking	Printed with white color letter on black sleeve.

Drawing



Type numbering system (Example : 200V 330µF)



Dimensions

Cap.(µF)	V(Code)	Code		160V (2C)		180V (2Z)		200V (2D)		250V (2E)		315V (2F)		400V (2G)	
		Cap.	V	Cap.	V	Cap.	V	Cap.	V	Cap.	V	Cap.	V	Cap.	V
39	390													22 × 15	0.30
47	470													25 × 15	0.35
56	560													30 × 15	0.40
68	680											22 × 15	0.35	30 × 15	0.45
82	820											25 × 15	0.40	30 × 15	0.45
100	101							20 × 15	0.45	22 × 15	0.50	30 × 15	0.50	35 × 15	0.50
120	121					20 × 15	0.50	22 × 15	0.55	25 × 15	0.60	30 × 15	0.70	35 × 15	0.55
150	151	20 × 15	0.55	22 × 15	0.60	25 × 15	0.65	30 × 15	0.75	35 × 15	0.90				
180	181	22 × 15	0.65	25 × 15	0.75	30 × 15	0.85	35 × 15	1.00						
220	221	25 × 15	0.80	30 × 15	0.95	35 × 15	1.10								
270	271	30 × 15	0.95	35 × 15	1.10										
330	331	30 × 15	1.00	35 × 15	1.10										
390	391	35 × 15	1.20	35 × 15	1.20									Case size φD × L (mm)	Rated ripple

Rated Ripple (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.8100W