

ALUMINUM ELECTROLYTIC CAPACITORS

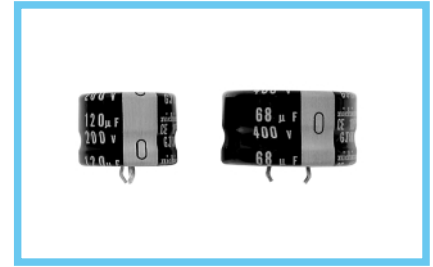
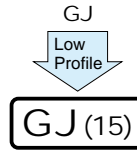
GJ (15)

Snap-in Terminal Type, Low-Profile Sized, Wide Temperature Range.



Smaller

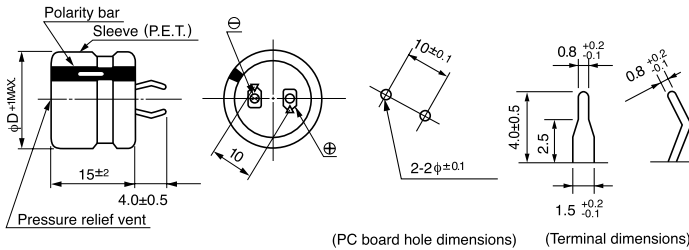
- Withstanding 2000 hours application of rated ripple current at 105°C.
- Smaller than low-profile GJ series.
- Ideally suited for flat design of switching power supply.
- Adapted to the RoHS directive (2002/95/EC).



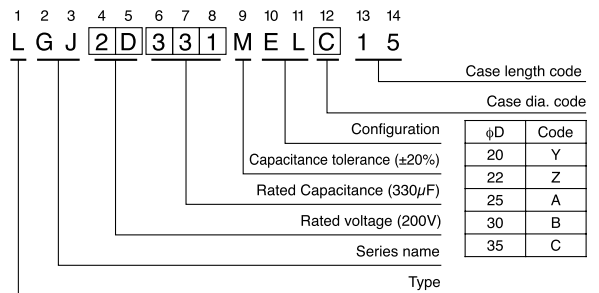
Specifications

Item	Performance Characteristics	
Category Temperature Range	- 40 ~ +105°C (160~250V) , - 25 ~ +105°C (315 ~ 400V)	
Rated Voltage Range	160 ~ 400V	
Rated Capacitance Range	39 ~ 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 ~ 250 315 • 400
Endurance	After an application of DC voltage (in the range of rated DC voltage even after over-lapping the specified ripple current) for 2000 hours at 105°C, capacitors meet the characteristic requirements listed at right.	
	Impedance ratio ZT/Z20(MAX.)	Z - 25°C/Z+20°C 3 8 Z - 40°C/Z+20°C 12 —
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	tan δ
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	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							Case size	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~
160 ~ 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.