

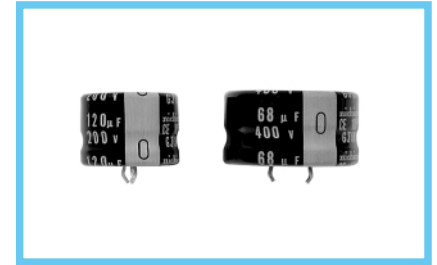
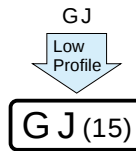
GJ (15)

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



Smaller

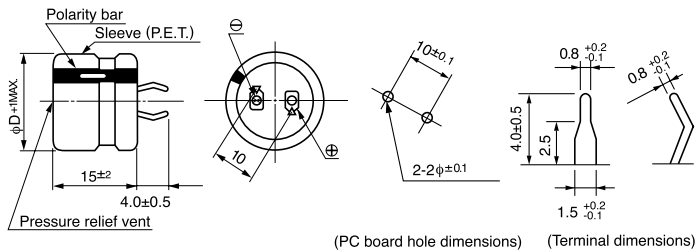
- Withstanding 2000 hours application of rated ripple current at 105°C.
- Smaller than low-profile GJ series.
- Ideally suited for flat design of switching power supply.
- Adapted to the RoHS directive (2002/95/EC).



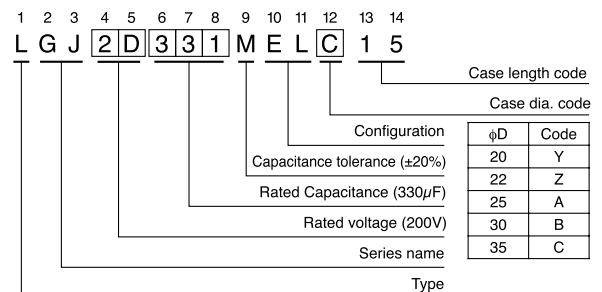
Specifications

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
	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

V(Code)	160V (2C)	180V (2Z)	200V (2D)	250V (2E)	315V (2F)	400V (2G)
Cap.(μF)						
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	22 × 15 0.60	25 × 15 0.65	30 × 15 0.70	35 × 15 0.60	
180	181	25 × 15 0.65	25 × 15 0.75	30 × 15 0.75		
220	221	30 × 15 0.80	30 × 15 0.90	35 × 15 0.90		
270	271	30 × 15 0.95	30 × 15 1.00	35 × 15 1.00		
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~
Coeff.							
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.