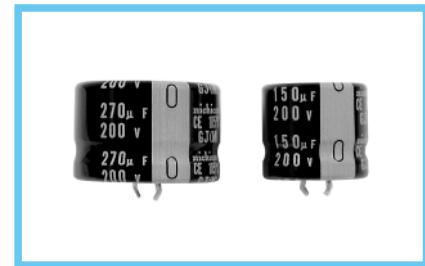
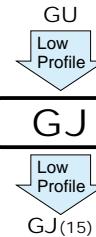


ALUMINUM ELECTROLYTIC CAPACITORS

nichicon



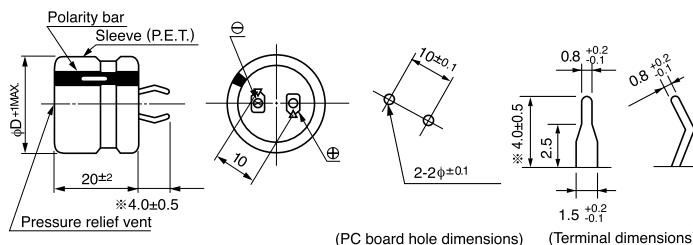
Snap-in Terminal Type, Low-Profile Sized,
Wide Temperature Range
series



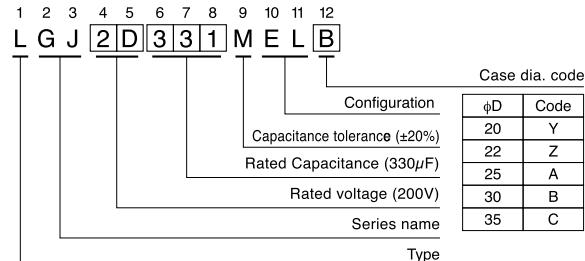
■ Specifications

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 ~ 680μF			
Capacitance Tolerance	±20% at 120Hz, 20°C			
Leakage Current	$I \leq 3\sqrt{CV} (\mu A)$ (After 5 minutes' application of rated voltage) [C : Rated Capacitance (μF) V : Voltage (V)]			
$\tan \delta$	0.15 MAX. 120Hz 20°C			
Measurement frequency : 120Hz				
Stability at Low Temperature	Rated voltage(V)		160 ~ 250 315 ~ 400	
	Z - 25°C/Z+20°C	3	8	
Endurance	Impedance ratio ZT/Z20(MAX.)		Z - 40°C/Z+20°C	
	12	—		
	After an application of DC voltage (in the range of rated DC voltage even after over-lapping the specified ripple current) for 3000 hours at 105°C, capacitors meet the characteristic requirements listed at right.			
Shelf Life	Capacitance change Within ±20% of initial value			
	$\tan \delta$	200% 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)



* The other terminal is also available upon request.
Please refer to page 237 for schematic of terminal dimensions.

■ Dimensions

Cap.(μF) Code	V(Code)	160V (2C)		180V (2Z)		200V (2D)		250V (2E)		315V (2F)		400V (2G)				
		39	390	47	470	56	560	68	680	82	820	100	101	120	121	
39	390														20 × 20	0.32
47	470														22 × 20	0.37
56	560														20 × 20	0.38
68	680														22 × 20	0.40
82	820														22 × 20	0.47
100	101														25 × 20	0.56
120	121														30 × 20	0.65
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										Case size øD × L (mm)	Rated ripple
680	681	35 × 20	1.51													

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.

CAT.8100V