

ALUMINUM ELECTROLYTIC CAPACITORS

LGM

Snap-in Terminal Type, 105°C Ultra-Smaller-Sized



NEW

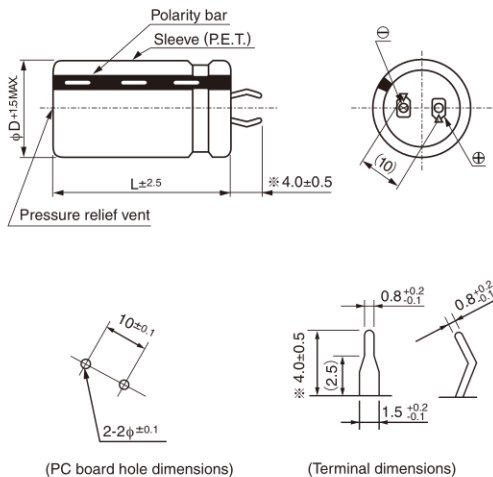
- One rank smaller case sized than LGL.
- Suited for equipment down sizing.
- Compliant to the RoHS directive (2011/65/EU).



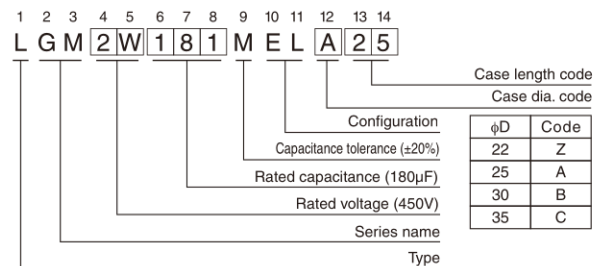
Specifications

Item	Performance Characteristics	
Category Temperature Range	- 25 to +105°C	
Rated Voltage Range	450V	
Rated Capacitance Range	180 to 820μF	
Capacitance Tolerance	±20% at 120Hz, 20°C	
Leakage Current	After 5 minutes' application of rated voltage, leakage current is not more than $3\sqrt{CV}(\mu A)$ or 5 mA, whichever is smaller (at 20°C) .	
Tangent of loss angle (tan δ)	0.20MAX. 120Hz at 20°C	
Stability at Low Temperature	Rated voltage (V)	450
	Impedance ratio ZT/Z20(MAX.)	Z - 25°C / Z+20°C 8
Endurance	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.	
Shelf Life	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 characteristic requirements listed at right.	
Marking	Printed with white color letter on black sleeve.	

Drawing



Type numbering system (Example : 450V 180μF)



Frequency coefficient of rated ripple current

Frequency (Hz)	50	60	120	300	1 k	10k	50k or more
Coefficient	0.77	0.82	1.00	1.16	1.30	1.41	1.43

Minimum order quantity : 50pcs.

- Dimension table in next page.

Design, Specifications are subject to change without notice.

NICHICON CORPORATION

ALUMINUM ELECTROLYTIC CAPACITORS

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■ Dimensions

450V (2W)				
Cap. (μ F)	Size ϕ D $\times$ L(mm)	Rated ripple (mA _{rms})	Leakage Current (mA)	Code
180	22 $\times$ 30	470	0.85	LGM2W181MELZ30
	25 $\times$ 25	470	0.85	LGM2W181MELA25
220	22 $\times$ 35	550	0.94	LGM2W221MELZ35
	25 $\times$ 30	550	0.94	LGM2W221MELA30
270	25 $\times$ 35	650	1.04	LGM2W271MELA35
	30 $\times$ 25	650	1.04	LGM2W271MELB25
330	25 $\times$ 40	750	1.15	LGM2W331MELA40
	30 $\times$ 30	730	1.15	LGM2W331MELB30
390	25 $\times$ 45	900	1.25	LGM2W391MELA45
	30 $\times$ 35	900	1.25	LGM2W391MELB35
470	30 $\times$ 40	1000	1.37	LGM2W471MELB40
	35 $\times$ 30	1000	1.37	LGM2W471MELC30
560	30 $\times$ 45	1200	1.50	LGM2W561MELB45
	35 $\times$ 35	1200	1.50	LGM2W561MELC35
680	35 $\times$ 40	1400	1.65	LGM2W681MELC40
820	35 $\times$ 45	1600	1.82	LGM2W821MELC45

Rated ripple current (mA_{rms}) at 105°C 120Hz

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