

ALUMINUM ELECTROLYTIC CAPACITORS



LGM

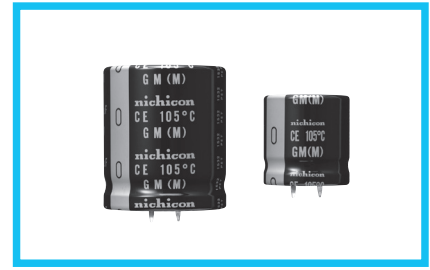
Snap-in Terminal Type, 105°C Ultra-Smaller-Sized



- One rank smaller case sized than LGL.
- Suited for equipment down sizing.
- Compliant to the RoHS directive (2011/65/EU, (EU)2015/863).



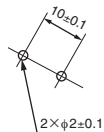
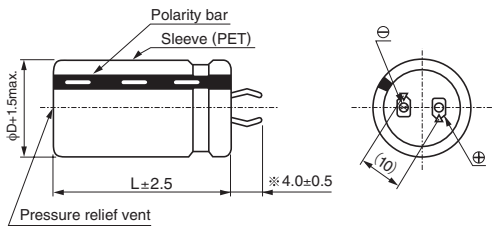
LGM



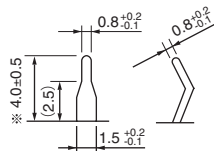
Specifications

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 at 20°C, leakage current is not more than $3\sqrt{CV}$ (μA).	
Tangent of loss angle (tan δ)	0.20max. 120Hz at 20°C	
Stability at Low Temperature	Rated voltage (V)	450
	Impedance ratio (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.	
	Capacitance change	Within ±20% of the initial capacitance value
	tan δ	200% or less than the initial specified value
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.	
	Capacitance change	Within ±20% of the initial capacitance value
	Leakage current	Less than or equal to the initial specified value
Marking	Printed with white color letter on black sleeve.	

Drawing



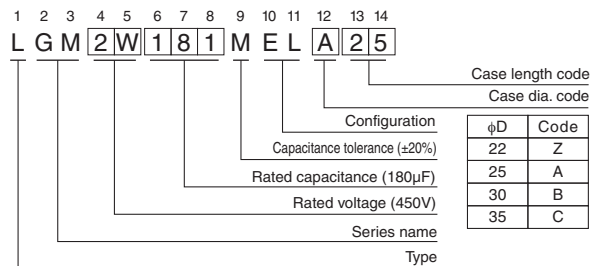
(PC board hole dimensions)



(Terminal dimensions)

* Other terminations available upon request. Please refer to the Guidelines for Aluminum Electrolytic Capacitors.

Type numbering system (Example : 450V 180μF)



Dimensions

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

Rated ripple current (mArms) at 105°C 120Hz

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.

CAT.8100L

Mouser Electronics

Authorized Distributor

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[LGM2W391MELA45](#) [LGM2W821MELC45](#) [LGM2W181MELA25](#) [LGM2W221MELZ35](#) [LGM2W471MELC30](#)
[LGM2W221MELA30](#) [LGM2W561MELB45](#) [LGM2W331MELA40](#) [LGM2W271MELA35](#) [LGM2W331MELB30](#)
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