



# LGM 7&9 mmL, General Purpose, 85°C



## Features

- Design for space-saving and high density insertion
- Applications: VTR, car radio, car stereos, charger, etc

## Specifications

Item	Performance Characteristics							
Operating Temperature Range	-40°C to +85°C							
Rated voltage Range	4 to 50 VDC							
Capacitance Range	0.1 to 470µF							
Capacitance Tolerance	±20%(120Hz, +20°C)							
Leakage Current (+20°C, max.)	I ≤ 0.01 CV or 3(µA) After 1minute whichever is greater measured with rate working voltage applied.							
Dissipation Factor (tanδ)	Working Voltage (VDC)	4	6.3	10	16	25	35	50
	D.F.(%)max	35	24	20	16	14	12	10
( +20°C, at 120Hz)								
Low Temperature Characteristics (120Hz)	Impedance ratio max.							
	Working Voltage (V)	4	6.3	10	16	25	35	50
	Z (-25°C)/Z(+20°C)	7	4	3	2	2	2	2
Z (-40°C)/Z(+20°C)								
15 8 6 4 4 4 4 4								
Load Life	Test conditions Duration time : 1000Hrs Ambient temperature: +85°C Applied voltage: Rated DC working voltage After test requirements: ≤ ±20% of the initial measured value Dissipation Factor: ≤ 200% of the initial specified value Leakage current: ≤ The initial specified value							
Shelf Life	Test conditions Duration time : 1000Hrs Ambient temperature: +85°C Applied voltage: None After test requirements at +20°C: Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.							

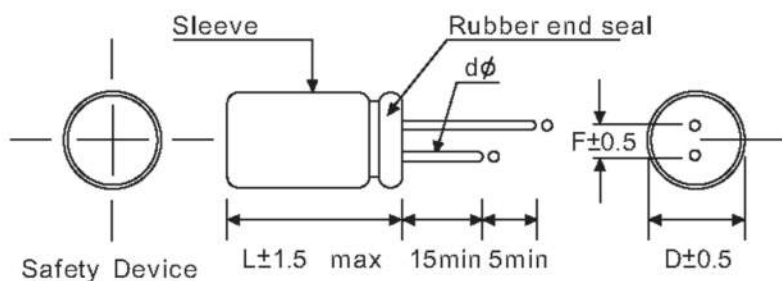
### Multiplier for Ripple Current VS, Frequency

CAP(µF)/Hz	50(60)	120	500	1K	10K	
Multiplier	0.1~47	0.65	1.0	1.20	1.30	1.50
	56UP	0.8	1.0	1.10	1.15	1.20

### Multiplier for Ripple Current VS, Temperature

Temperature (°C)	45	60	70	85
Multiplier	1.80	1.50	1.30	1.00

### Diagram of Dimensions: (Unit: mm)



Dφ	4	5	6.3	8
F	1.5	2.0	2.5	3.5
dφ	0.45	0.5		



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## Case Size

φD x L (mm)

W.V. {S.V.}	4 {5}		6.3 {8}		10 {13}		16 {20}		25 {32}		35 {44}		50 {63}	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1-0.47	→												4x7	1.0-5.0
1	→												4x7	10
2.2	→												4x7	19
3.3	→												4x7	24
4.7	→												4x7	29
10	→								4x7	30	4x7 5x7	28 30	5x7	32
22	→			4x7	35	4x7	38	4x7 5x7	45 50	6x7	47	6x7	59	
33	→		4x7	40	4x7	42	5x7	45	5x7	52	6x7	65	8x7	75
47	4x7	35	4x7	42	4x7	47	5x7	60	6x7	68	6x7	80	8x7	88
68	5x7	42	5x7	50	5x7	60	6x7	72	6x7	75	8x7	85	8x9	92
100	5x7	61	5x7	65	5x7	80	6x7	92	6x7 8x7	95 115	8x7	120	-	-
220	5x7	95	5x7	108	6x7	125	6x7 8x7	185 200	8x9	230	-	-	-	-
330	6x7	154	6x7	160	8x7	170	8x7	220	-	-	-	-	-	-
470	8x7	220	8x7	220	8x7	240	8x9	280	-	-	-	-	-	-

•Ripple Current (mA, rms) at 85°C 120Hz

RADIAL