

L4M

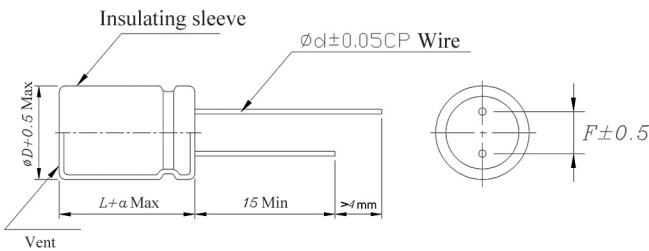


- ◆ 105°C 1000 Hours
- ◆ 3.55mm height, Super Small Size
- ◆ RoHS Compliant
- ◆ AEC-Q200 Qualified, Please Consult Us For More Details

■ Specification

Items	Characteristics									
Operation Temperature Range	-55°C ~ +105°C									
Rated Voltage	6.3 ~ 100V.DC									
Capacitance Tolerance	±20%(25±2°C 120Hz)									
Leakage Current(μA)	6.3 ~ 100WV $I \leq 0.01CV$ or 3μA whichever is greater C:rated capacitance(μF) V:rated voltage(V) 2 minutes reading									
Dissipation Factor (25±2°C 120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50	63	80	100
	tgδ	0.38	0.32	0.20	0.16	0.14	0.14	0.16	0.16	0.16
For those with rated capacitance larger than 1000μF, when the rated capacitance is increased by 1000μF, then tgδ will be increased by 0.02										
Temperature Characteristics (120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50	63	80	100
	Z(-40°C)/Z(20°C)	10	10	6	6	4	4	6	6	6
Endurance	After standard test time with applying the rated voltage with the rated ripple current in the oven at 105°C, the following specification shall be satisfied after 16 hours at 25±2°C.									
	Capacitance change	within±30% of the initial value								
	Dissipation Factor	Not more than 300% of the specified value								
	Leakage current	Not more than the specified value								
	Load life(hours)	6.3WV ~ 100WV					1000hrs			
Shelf Life At High Temperature	After leaving capacitors under no load at 105°C for 1000 hours, the following specification shall be satisfied at 25±2°C.									
	Capacitance change	within±30% of the initial value								
	Dissipation Factor	Not more than 300% of the specified value								
	Leakage current	Not more than 200% of the specified value								

■ Standard Size (Unit: mm)



Remark: capacitors with diameter more than 6.3 have safety vent

D	4	5	6.3
L	3.55	3.55	3.55
d	0.45	0.5(0.45)	0.5(0.45)
F	1.5	2.0	2.5
α	+0/-0.5		

■ Ripple Current Correction Factor

Frequency(Hz)	50	120	1K	≥10K
Coefficient	0.70	1.00	1.37	1.50

L4M

■ Standard Size

Voltage (V)	6.3		10		16		25		35		50	
Items	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)
1.0											4X3.55	6
2.2											4X3.55	10
3.3											4X3.55	13
4.7							4X3.55	12	4X3.55	14	5X3.55	17
5.6											4X3.55	17
10									4X3.55	20	5X3.55	23
10					4X3.55	17	5X3.55	21	5X3.55	23	6.3X3.55	27
18							4X3.55	27	5X3.55	35		
22											6.3X3.55	58
22	4X3.55	20	5X3.55	25	5X3.55	27	6.3X3.55	35	6.3X3.55	38		
33					4X3.55	34	5X3.55	44				
33	5X3.55	27	5X3.55	32	6.3X3.55	37	6.3X3.55	44				
39									6.3X3.55	68		
47			4X3.55	34								
47	5X3.55	34	6.3X3.55	42	6.3X3.55	46						
56					5X3.55	54						
68	4X3.55	34					6.3X3.55	68				
82			5X3.55	54								
100	6.3X3.55	54			6.3X3.55	68						
120	5X3.55	54										
180			6.3X3.55	68								
220	6.3X3.55	68										

Voltage (V)	63		80		100	
Items	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)
1.2					4X3.55	7
1.8			4X3.55	10		
2.2					5X3.55	10
3.3	4X3.55	13				
3.9			5X3.55	16	6.3X3.55	17
5.6	5X3.55	17				
6.8			6.3X3.55	22		
10	6.3X3.55	27				