

RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

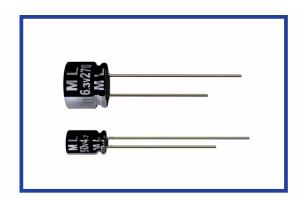
ML

ML SERIES

105°C 5mm∼9mm Height, Long Life

*Load Life : 105°C 3000~5000 hours.





SPECIFICATIONS

Items	Characteristics							
Category Temperature Range	−40~+105°C							
Rated Voltage Range	6.3~50Vdc							
Capacitance Tolerance	±20%(20℃,120Hz)							
Leakage Current(MAX)	I=0.01CV or 3μ A whichever is greater.(After 2 minutes application of rated voltage) I=Leakage Current(μ A) C=Capacitance(μ F) V=Rated Voltage(Vdc)							
Dissipation Factor(MAX) (tanδ)	Rated Voltage (V) 6.3 10 16 25 35 50 (20°C,120Hz) tanδ 0.40 0.35 0.30 0.25 0.20 0.20							
	After applying rated voltage with rated ripple current for specified time at 105°C, the capacitors shall meet the following requirements.							
Endurance	Capacitance Change Within ±30% of the initial value. Case Size Life Time (hrs)							
	Dissipation Factor Not more than 300% of the specified value. L=5mm 3000							
	Leakage Current Not more than the specified value. L≧7mm 5000							
Low Temperature Stability	Rated Voltage (Vdc) 6.3 10 16 25 35 50 (120Hz)							
Impedance Ratio(MAX)	Z(-25°C)/Z(20°C) 6 4 4 3 2 2							
	Z(-40°C)/Z(20°C) 12 10 8 6 4 4							

♦MULTIPLIER FOR RIPPLE CURRENT

Frequ	60 (50)	120	500	1k	10k≦	
Coefficient	1μF	0.50	1.00	1.20	1.30	1.50
	2.2~6.8μF	0.65	1.00	1.20	1.30	1.50
	10~82μF	0.80	1.00	1.20	1.30	1.50
	100~1000μF	0.80	1.00	1.10	1.15	1.20

♦OPTION

	Code
PET Sleeve	EFC

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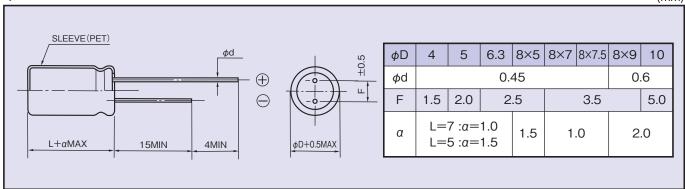
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Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size



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♦STANDARD SIZE

Size φD×L(mm), Rated Ripple Current (mA r.m.s./105°C, 120Hz)

Vdc	6.3		10		16		25		35		50	
Cap(μF)	Size	Ripple	Size	Ripple								
1											4×5	8
2.2											4×5	11
3.3											4×5	14
4.7											4×7	23
6.8									4×5	17	5×5	25
10							4×5	18	4×7	28	5×7	30
12									5×5	34	6.3×5	37
15							4×7	35				
18					4×5	20			5×7	48	6.3×7	50
22			4×5	22	4×7	40	5×5	42			8×5 6.3×7	62 62
27	4×5	25					5×7	57	6.3×5	58		
33			4×7	43	5×5	45					8×7	75
39					5×7	65			6.3×7	76		
47	4×7	47	5×5	48			6.3×5	65	8×5	80		
56	5×5	50	5×7	68			6.3×7	85	8×7	105	8×7.5	115
68					6.3×5	70						
82	5×7	75					8×5	100			8×9	160
100			6.3×5	75	6.3×7	95	8×7	112	8×7.5	125		
120	6.3×5	80	6.3×7	100	8×5	110					10×9	315
150					8×7	125	8×7.5	140	8×9	180		
180	6.3×7	110	8×5	120								
220	8×5	125	8×7	160	8×7.5	170	8×9	190	10×9	360		
270	8×7	165										
330			8×7.5	180	8×9	195	10×9	450				
470	8×7.5	190	8×9	210	10×9	460						
560	8×9	230										
680			10×9	470								
1000	10×9	480				-				! ! !		