

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

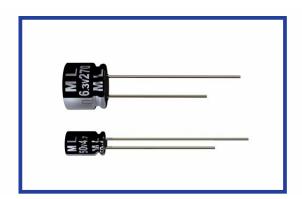
ML

ML SERIES

105°C 5mm∼9mm Height, Long Life

*Load Life : 105°C 3000~5000 hours.





SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	-40~+105℃								
Rated Voltage Range	6.3~50Vdc								
Capacitance Tolerance	±20% (20°C,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)								
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) Z(-25°C)/Z(20°C) 6 4 4 3 2 2								
Impedance Ratio(MAX)	$Z(-40^{\circ}C)/Z(20^{\circ}C)$ 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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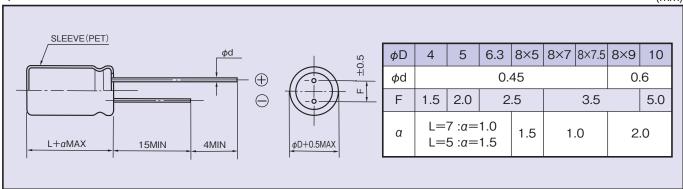
	ML		M			$D \times L$	
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size	



RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

ML





◆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		1					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		1	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		i !	10×9	470						-		
1000	10×9	480										