

# RMR

**+ 105°C Previous  
Standard Radial  
Lead Aluminum  
Electrolytic Capacitors**



*For all long life general purpose applications (not for new designs)*

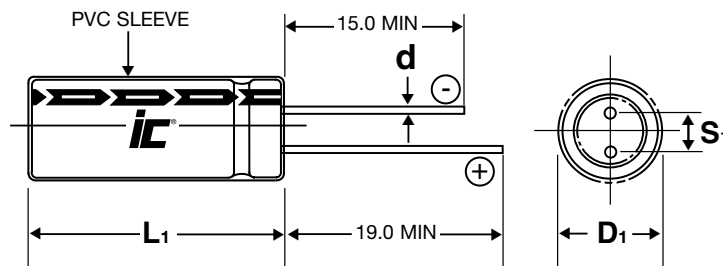
## SPECIFICATIONS

<b>Capacitance Tolerance</b>		<b>±20% at 120Hz, 20°C</b>												
<b>Operating Temperature Range</b>		-40°C to +105°C										-25°C to +105°C		
<b>Dissipation Factor 120Hz, 20°C</b>	<b>WVDC</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	<b>63</b>	<b>80</b>	<b>100</b>	<b>160</b>	<b>250</b>	<b>350</b>	<b>450</b>	
	<b>tan δ</b>	.20	.17	.15	.12	.10	.10	.1	.08	.12	.12	.20	.20	
<b>Note:</b> For above D.F. specifications, add .02 for every 1,000 μF above 1,000 μF														
<b>Impedance Ratio (Max.) @120Hz</b>	<b>WVDC</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	<b>63</b>	<b>80</b>	<b>100</b>	<b>160</b>	<b>250</b>	<b>350</b>	<b>450</b>	
	<b>-25/20°C</b>	3	2	2	2	2	2	2	2	2	2	3	3	
	<b>-40/20°C</b>	6	4	3	3	3	3	3	3	4	3	—	—	
<b>Leakage Current</b>	<b>WVDC</b>	<b>100 WVDC</b>					<b>100 &lt; WVDC 400</b>					<b>450 WVDC</b>		
	<b>Time</b>	<b>1 minute</b>			<b>2 minutes</b>			<b>1 minute</b>					<b>1 minute</b>	
		.03 CV or 4 μA			.01 CV or 3 μA			CV 1000 0.1 CV +40μA		CV > 1000 0.4 CV +100μA			.04 CV + 100 μA	
whichever is greater														
<b>Load Life</b>	<b>1,000 hours at 105°C with rated WVDC</b>													
		Capacitance change Dissipation factor Leakage current					< 20% of initial measured value <200% of initial specified value <Initial specified value							
<b>Shelf Life</b>	1,000 hours at 105°C with no voltage applied. Units will meet load life specification.													

## SPECIAL ORDER OPTIONS

(See pages 7 thru 11)

- Special tolerances: ±10% (K), -10% + 30% (Q)
- Tape and Reel/Ammo Pack
- Cut, formed, cut and formed, and snap-in leads
- Epoxy end seal
- Polyester sleeve



NOTE: Case Vent is standard on all diameter 8.0mm

D	5.0	6.3	8.0	10.0	12.5	16	18
s	2.0	2.5	3.5	5.0	5.0	7.5	7.5
b	0.5	0.5	0.6	0.6	0.6	0.8	0.8
B	0.5	0.5	0.5	0.5	0.8	0.5	0.5

L 13.0 L<sub>1</sub>=L+1.0mm Max.  
L 16.0 L<sub>1</sub>=L+2.0mm Max.  
D<sub>1</sub>=D+B Max.  
S<sub>1</sub>=S±0.5mm

## STANDARD PART LISTING

Capacitance ( $\mu$ F)	WVDC	<b>ic</b> ® PART NUMBER	Maximum ESR 120Hz, +20°C	Maximum Leakage Current ( $\mu$ A) @2 min, +25°C	Maximum RMS Ripple Current (mA) 120Hz, +105°C	D	L	S	d
4.7	100	475RMR100M	28.2	14	50	6.3	11	2.5	0.5
10	50	106RMR050M	16.6	15	61	5	11	2	0.5
10	100	106RMR100M	13.3	30	100	8	11.5	3.5	0.6
10	350	106RMR350M	33.2	240	130	12.5	25	5	0.6
22	50	226RMR050M	7.5	33	110	6.3	11	2.5	0.5
22	63	226RMR063M	7.5	42	120	8	11.5	3.5	0.6
22	100	226RMR100M	6.0	66	170	10	12.5	5	0.6
22	250	226RMR250M	9.0	320	180	12.5	25	5	0.6
33	35	336RMR035M	6.0	35	140	6.3	11	2.5	0.5
33	50	336RMR050M	5.0	50	150	8	11.5	3.5	0.6
47	25	476RMR025M	4.9	35	140	6.3	11	2.5	0.5
47	50	476RMR050M	3.5	71	190	8	11.5	3.5	0.6
47	63	476RMR063M	3.5	89	210	10	12.5	5	0.6
47	250	476RMR250M	4.2	570	330	16	31.5	7.5	0.8
68	50	686RMR050M	2.4	102	260	10	12.5	5	0.6
100	10	107RMR010M	3.3	30	146	6.3	11	2.5	0.5
100	25	107RMR025M	2.3	75	250	8	11.5	3.5	0.6
100	35	107RMR035M	2.0	105	290	10	12.5	5	0.6
100	50	107RMR050M	1.7	150	330	10	16	5	0.6
100	100	107RMR100M	1.3	300	470	12.5	20	5	0.6
100	250	107RMR250M	2.0	1100	550	18	40	7.5	0.8
220	10	227RMR010M	1.5	66	260	8	11.5	3.5	0.6
220	16	227RMR016M	1.2	106	335	10	12.5	5	0.6
220	25	227RMR025M	1.1	165	400	10	16	5	0.6
330	50	337RMR050M	0.5	495	700	12.5	20	5	0.6
470	50	477RMR050M	0.4	705	900	16	25	7.5	0.8
470	63	477RMR063M	0.4	888	925	16	25	7.5	0.8
470	100	477RMR100M	0.3	1410	1060	18	35.5	7.5	0.8
680	25	687RMR025M	0.3	510	890	12.5	25	5	0.6
680	50	687RMR050M	0.2	1020	1025	16	25	7.5	0.8
680	80	687RMR080M	0.2	1632	1280	18	35.5	7.5	0.8
1000	35	108RMR035M	0.2	1050	1200	16	25	7.5	0.8
1000	50	108RMR050M	0.2	1500	1250	16	31.5	7.5	0.8
2200	16	228RMR016M	0.2	1056	1500	16	25	7.5	0.8
2200	35	228RMR035M	0.1	2310	1960	18	35.5	7.5	0.8