

RSS

+ 85°C Low Profile Radial Lead Aluminum Electrolytic Capacitors



For all general purpose applications

FEATURES

- Suitable for Dipped Tantalum Replacement
- Small Case Sizes
- Capacitance Range 1 μF to 2200 μF
- Voltage Range 6.3 WVDC to 50 WVDC
- Solvent Tolerant End Seals Standard

SPECIFICATIONS

Capacitance Tolerance		±20%at 120 Hz, 20°C							
Operating Temperature Range		-40°C to +85°C							
Dissipation Factor 120Hz, 20°C	WVDC	6.3	10	16	25	35	50		
	tan δ	.25	.2	.17	.15	.12	.10		
Impedance Ratio (Max.) @120Hz	WVDC	6.3	10	16	25	35	50		
	-25°C/20°C	5	4	3	2	2	2		
	-40°C/20°C	10	8	6	4	4	4		
Leakage Current	WVDC	50WVDC							
	Time	2 minute							
		.01 CV or 3 μA							
		whichever is greater							
Load Life		1,000 hours, +85°C, with rated voltage							
		Capacitance change Dissipation factor Leakage current			20% of initial measured value 200% of initial specified value initial specified value				
Shelf Life		500 hours at +85°C with no voltage applied. Units will meet load life specifications							

SPECIAL ORDER OPTIONS

(See pages 7 thru 11)

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



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STANDARD PART LISTING

Capacitance (μ F)	WVDC	IC [®] PART NUMBER	Maximum ESR 120Hz, +20°C	Maximum RMS Ripple Current (mA) 120Hz, +85°C	Dimensions DxL (mm)
1.0	50	105RSS050M	165.8	10	4x7
2.2	50	225RSS050M	75.4	20	4x7
3.3	50	335RSS050M	50.2	25	4x7
4.7	35	475RSS035M	42.3	25	4x7
4.7	50	475RSS050M	35.3	30	5x7
10	16	106RSS016M	26.5	40	4x7
10	35	106RSS035M	19.9	45	5x7
10	50	106RSS050M	16.6	50	6.3x7
22	16	226RSS016M	12.1	45	5x7
22	35	226RSS035M	9.0	70	6.3x7
33	10	336RSS010M	10.0	50	5x7
33	25	336RSS025M	7.0	70	6.3x7
47	6.3	476RSS6R3M	8.5	80	5x7

NOTE 1: WVDC: MAXIMUM RATED DC WORKING VOLTAGE AT +85°C.

NOTE 2: SVDC: MAXIMUM RATED DC SURGE VOLTAGE AT +85°C

NOTE 3: DISSIPATION FACTOR (TAN δ) MAXIMUM; 120 Hz, +25°C.NOTE 4: ESR: MAXIMUM EQUIVALENT SERIES RESISTANCE; 120 Hz,
+25°C CAPACITANCE, MAXIMUM DISSIPATION FACTOR.

Capacitance (μ F)	WVDC	IC [®] PART NUMBER	Maximum ESR 120Hz, +20°C	Maximum RMS Ripple Current (mA) 120Hz, +85°C	Dimensions DxL (mm)
47	16	476RSS016M	5.6	80	6.3x7
100	6.3	107RSS6R3M	4.0	90	6.3x7
100	25	107RSS025M	2.3	135	8x9
100	35	107RSS035M	2.0	160	10x9
220	10	227RSS010M	1.5	165	8x9
220	16	227RSS016M	1.2	202	10x9
330	10	337RSS010M	1.0	221	10x9
470	6.3	477RSS6R3M	0.8	238	10x9
470	35	477RSS035M	0.4	524	12.5x15
1000	16	108RSS016M	0.3	655	12.5x15
1000	35	108RSS035M	0.2	1000	16x15
2200	16	228RSS016M	0.2	940	16x15

NOTE 5: MAXIMUM LEAKAGE CURRENT; RATED WVDC, 2 MINUTES, +25°C.

NOTE 6: RMS RIPPLE CURRENT; 120Hz, +85°C.

NOTE 7: CAPACITANCE TOLERANCE IS MEASURED AT 120 Hz, +25°C

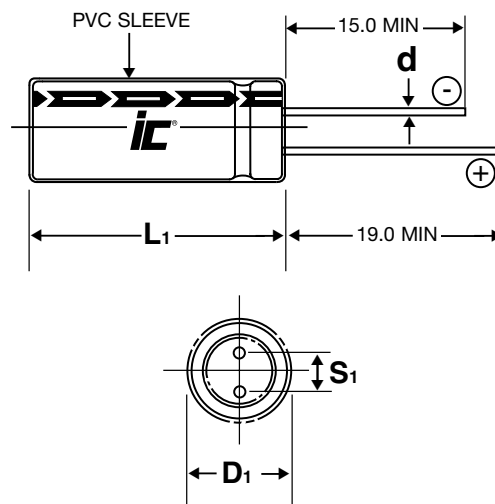
NOTE 8: ALL MEASUREMENTS ARE PERFORMED USING THE BRIDGE
METHOD.

PHYSICAL DIMENSIONS

WVDC (μ F)	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)
1.0						4x7
2.2						4x7
3.3						4x7
4.7					4x7	5x7
10			4x7		5x7	6.3x7
22			5x7		6.3x7	
33		5x7		6.3x7		
47	5x7		6.3x7			
100	6.3x7			8x9	10x9	
220		8x9	10x9			
330		10x9				
470	10x9				12.5x15	
1000			12.5x15		16x15	
2200			16x15			

Convert to inches, divide by 25.4

DxL(mm)



NOTE: Case Vent is standard on all diameter 8.0mm

LEAD INFORMATION V.S. CASE DIAMETER (mm)

D	4.0	5.0	6.3	8	10	12.5	16
S	1.5	2.0	2.5	3.5	5.0	5.0	7.5
d	0.45	0.45	0.45	0.6	0.6	0.6	0.8
B	0.5	0.5	0.5	0.5	0.5	0.8	0.5

L₁=L+1.0 mm Max. (D 8mm)L₁=L+1.5 mm Max. (D 10mm)D₁=D+B Max.S₁=S±0.5mm

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