



Radial Lead Aluminum Electrolytic Capacitors

+105°C High Frequency

FEATURES

Low ESR - High Ripple Current - Multiple case sizes

APPLICATIONS

Filtering - Bypass - Coupling - Blocking

Operating Temperature Range		-55°C to +105°C										
Capacitance Tolerance		+20% at 120 Hz, 20°C										
Surge voltage	WVDC	6.3	10	16	25	35	50					
	SVDC	7.9	13	20	32	44	63					
Dissipation Factor	WVDC	6.3	10	16	25	35	50					
	Tan δ	.26	.22	.18	.16	.14	.12	Add .02 for every 1000uF above 1000uF				
Leakage current		1 Minute										
		.03CV										
Low temperature stability Impedance ratio (120 Hz)	WVDC	6.3	10	16	25	35	50					
	-55°C to +20°C	6	6	4	4	4	3					
Load Life		3000 hours at 105°C with rated WVDC and ripple current applied (2000 hrs for D_{≤6.3})										
		Capacitance change		≤20% of initial measured value								
		Dissipation factor		≤200% of maximum specified value								
		Leakage current		≤100% of maximum specified value								
Shelf Life		1000 hours at 105°C with no voltage applied										
		Capacitance change		≤20% initial measured value								
		Dissipation factor		≤200% of maximum specified value								
		Leakage current		≤100% of maximum specified value								
Ripple Current Multipliers		Frequency (Hz)						Temperature (°C)				
		Capacitance	50	120	300	1k	10k	100k	+105	+85	+65	+50
		C<4.7	.3	.43	.7	.54	.83	1.0	1.0	1.73	2.19	2.4
		4.7<C≤33	.38	.51	.62	.76	.87	1.0	1.0	1.73	2.19	2.4
		33<C≤100	.48	.6	.71	.85	.9	1.0	1.0	1.73	2.19	2.4
		100<C≤270	.6	.72	.8	.91	.95	1.0	1.0	1.73	2.19	2.4
		270<C≤1000	.68	.83	.9	.96	1.0	1.0	1.0	1.73	2.19	2.4
		C>1000	.82	.91	.98	.98	1.0	1.0	1.0	1.73	2.19	2.4



D	5	6.3	8	10	12.5	16	18
S	2.0	2.5	3.5	5.0	5.0	7.5	7.5
d	0.5	0.5	0.6	0.6	0.6	0.8	0.8

L₁ ≤ 16mm, L₁ = L + 1.5mm Max.

L > 16mm, L₁ = L + 2mm Max.

D₁ = D + 0.5mm Max.

S₁ = S + 0.5 mm

