

RLS

+85°C Low Leakage Height Aluminum Electrolytic Capacitors



Features

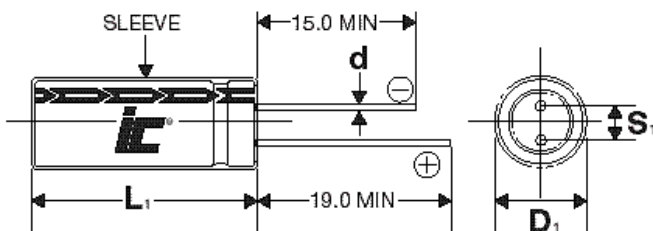
- Low Leakage current
- Lead Free Leads

Applications

- Alternative for Tantalums
- Timing circuits
- Filtering
- De-Coupling

Specifications

Operating Temperature Range		-40°C to +85°C										
Capacitance Tolerance		+20% at 120 Hz, 20°C										
Surge voltage	WVDC	10	16	25	35	50						
	SVDC	13	20	32	44	63						
Dissipation Factor	WVDC	10	16	25	35	50						
	tan δ	.2	.16	.14	.12	.1						
Leakage current		2 Minutes										
		.002CV or 3uA, Whichever is greater										
Low temperature stability Impedance ratio (120 Hz)	Rated WVDC	10	16	25	35	50						
	-25°C to +20°C	3	2	2	2	2						
	-40°C to +20°C	6	4	4	3	3						
Load Life		2000 hours at 85°C with rated WVDC										
		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 85°C with no voltage applied										
		Capacitance change	<20% of initial measured value									
		Dissipation factor	<200% of maximum specified value									
		Leakage current	≥100% of maximum specified value									
Ripple Current Multipliers		Frequency (Hz)						Temperature (°C)				
		Cap	50	120	400	1k	10k	100k	85	70	60	30
		$C \leq 10$	0.8	1.0	1.3	1.45	1.65	1.7	1.0	1.3	1.5	1.8
		$10 < C \leq 100$	0.8	1.0	1.23	1.36	1.48	1.53	1.0	1.3	1.5	1.8
		$100 < C \leq 1000$	0.8	1.0	1.16	1.25	1.35	1.38	1.0	1.3	1.5	1.8
$C > 1000$	0.8	1.0	1.11	1.17	1.25	1.28	1.0	1.3	1.5	1.8		



D	5	6.3	8	10	12.5
S	2.0	2.5	3.5	5.0	5.0
d	0.5	0.5	0.6	0.6	0.6

D1=D+0.5mm
D≤8mm, L₁=L+1mm
D>8mm, L₁=L+1.5mm
S₁=S±0.5mm



