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

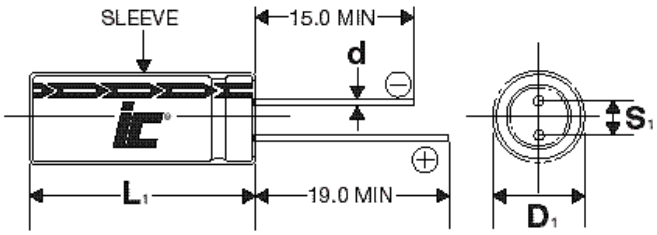
Specifications

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≤10	0.8	1.0	1.3	1.45	1.65	1.7	1.0	1.3	1.5	1.8
10<C≤100	0.8	1.0	1.23	1.36	1.48	1.53	1.0	1.3	1.5	1.8
100<C≤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, L_1=L+1mm
D>8mm, L_1=L+1.5mm
S_1=S±0.5mm

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