RZM

Radial Lead Aluminum Electrolytic Capacitors

+105°C High Frequency

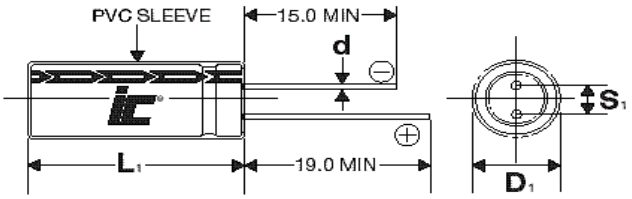
FEATURES Low ESR - High Ripple Current – Multiple case sizes

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

mm

L≤16mm, L_1=L+1.5mm Max.
L>16mm, L_1=L+2mm Max.
D_1=D+0.5mm Max.
S_1=S+0.5 mm

ILLINOIS CAPACITOR
Your Global Source for World-Class Capacitors

North America
Tel: 847.675.1760
sales@illcap.com

Asia
Tel: 852.2793 0931
sales@illcap.com.hk