

RZS

Radial Lead Aluminum Electrolytic Capacitors

+105°C High Frequency



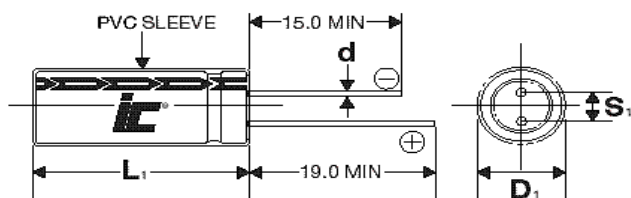
FEATURES

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	63			
	SVDC	7.9	13	20	32	44	63	79			
Dissipation Factor	WVDC	6.3	10	16	25	35	50	63			
	Tan δ	.2	.15	.1	.08	.07	.06	.05			
		Add .02 for every 1000uF above 1000uF									
Leakage current		2 Minute									
		.01CV or 3uA Whichever is greater									
Low temperature stability Impedance ratio (120 Hz)	WVDC	6.3	10	16	25	35	50	63			
	-55°C to +20°C	2	1.5	1.5	1.5	1.5	1.5	1.5			
Load Life		2000 hours at 105°C with rated WVDC and ripple current applied									
		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)		
		WVDC	50	120	300	1k	10k	100k	+105	+85	+70
		6.3-16	.54	.7	.85	.95	1.0	1.0	1.0	2.2	2.83
		25-35	.43	.57	.73	.88	1.0	1.0	1.0	2.2	2.83
		50-63	.39	.55	.71	.86	1.0	1.0	1.0	2.2	2.83



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

L ≤ 16mm, L₁ = L + 1.5mm Max.

mm

L > 16mm, L₁ = L + 2mm Max.

D₁ = D + 0.5mm Max.

S₁ = S + 0.5 mm

IC ILLINOIS CAPACITOR

Your Global Source for World-Class Capacitors

© 2013 Illinois Capacitor, Inc.

North America

Tel: 847.675.1760

sales@illcap.com

Asia

Tel: 852.2793 0931

sales@illcap.com.hk

