HSM

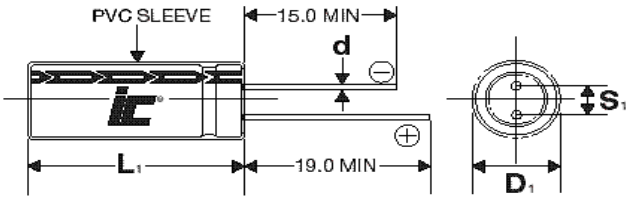
Radial Lead Aluminum Electrolytic Capacitors

+125°C Standard

FEATURES	Small Size - High Voltage - General Purpose
APPLICATIONS	Inverters – DC Link – AC/DC Motor Controls – Solar Inverters

Operating Temperature Range		**-40°C to +125°C**						
Capacitance Tolerance		**±20% at 120 Hz, 20°C**						
Surge Voltage	**WVDC**	**10**	**16**	**25**	**35**	**50**	**63**	
	SVDC	13	20	32	44	63	79	
Dissipation Factor	**WVDC**	**10**	**16**	**25**	**35**	**50**	**63**	
	Tan δ	.2	.16	.14	.12	.1	.1	
		Add .02 for every 1000uF above 1000uF						
Leakage Current		**10 to 63 WVDC**						
		1 Minutes			**2 Minutes**			
		.03CV or 4uA, Whichever is greater			.01CV or 3uA, Whichever is greater			
Low Temperature Stability Impedance Ratio (120 Hz)	**WVDC**	**10**	**16**	**25**	**35**	**50**	**63**	
	-25°C to +20°C	3	2	2	2	2	2	
	-40°C to +20°C	4	4	4	4	4	4	
Load Life		**2000 hours at 125°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 125°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)**			
WVDC	**50**	**120**	**1k**	**10k**	**+105**	**+85**	**+70**	**+60**
6.3 to 25V	.85	1.0	1.10	1.20	1.0	1.4	1.4	1.75
35 to 100V	.8	1.0	1.15	1.25	1.0	1.4	1.4	1.75
160 to 250V	.75	1.0	1.25	1.40	1.0	1.4	1.4	1.75
350 to 450V	.7	1.0	1.30	1.80	1.0	1.4	1.4	1.75



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_1=L+1.5mm 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