



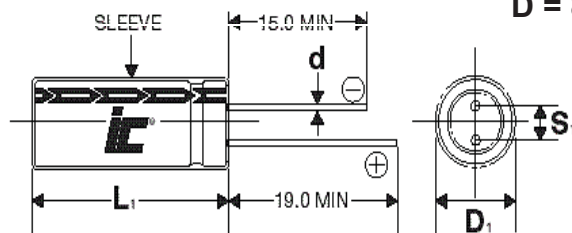
FEATURES

High Voltage – Very Fast Charge/Discharge – High Power Density –
Lower ESR
RoHS Compliant

APPLICATIONS

Battery Backup/Alternative – Pulse Power – Energy Harvesting – LED
Displays – Mechanical Actuators – Audio Systems

Operating Temperature Range		-40°C to +65°C (-40 to +85°C @ 2.5V)	
Storage Temperature		-40°C to +70°C	
Capacitance Tolerance @ 20°C		+30%/-10% (Q tolerance)	
Surge Voltage	WVDC	3	
	SVDC	3.2	
Life Time	1000 hours with rated voltage applied at 65°C		
	Capacitance change	±30% of initially measured values	
	ESR	<200% of initially specified values	
Shelf Life	1000 hours with no voltage applied at 60°C		
	Capacitance change	±30% of initially measured values	
	ESR	<200% of initially specified values	
Life Cycles (25°C) 1 cycle= Charge to WVDC for 20s, constant voltage charging for 10s, discharge to ½ WVDC for 20s, rest for 10s	500,000 cycles		
	Capacitance change	±30% of initially measured values	
	ESR change	<200% of initially specified values	



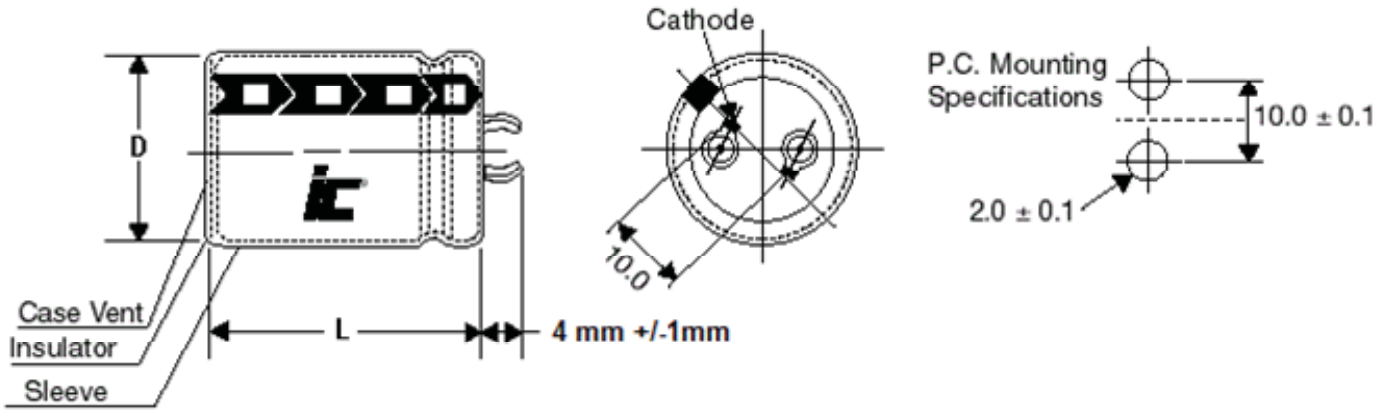
D = 8 to 18mm

Lead spacing VS. Case diameter					
D	8	10	12.5	16	18
S	3.5	5.0	5.0	7.5	7.5
d	0.6	0.6	0.6	0.8	0.8
α	1.5	2.0	2.0	2.0	2.0

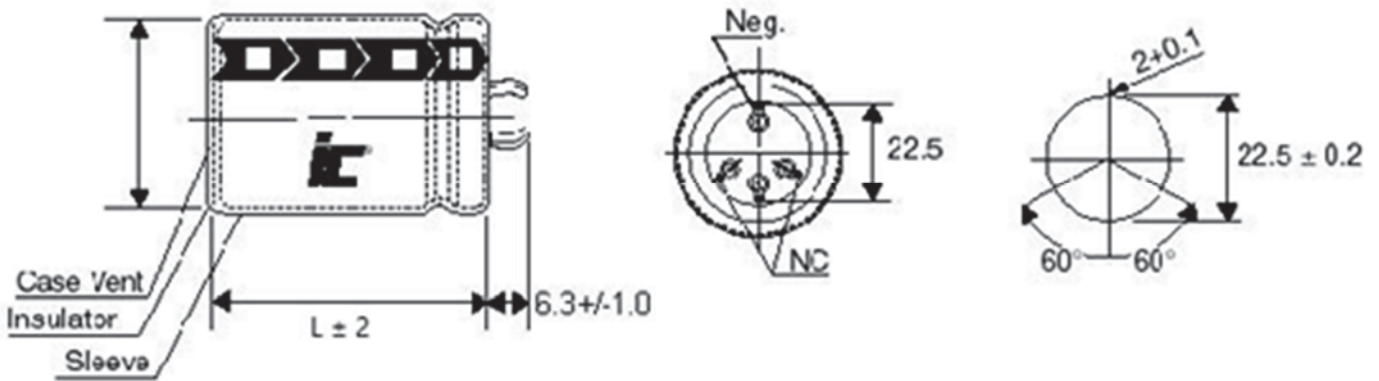
$L_1 = L + \alpha$ mm
 $D_1 = D + 0.5$ mm
 $S_1 = S \pm 0.5$ mm



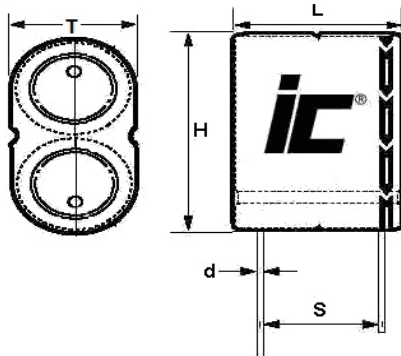
Capacitance 100F to 400F



Capacitance 400F to 470F



5.5 Volt Parts



Capacitance (F)	Dims (LxHxT) (mm) +1.0mm	Lead spacing (S) (mm) +/-0.5mm	Lead diameter (d) (mm)
0.5	17x15x8.5	12	0.6
1	17x17x8.5	12	0.6
1.5	17x23x8.5	12	0.6
2.5	21x23x11	15.5	0.6
3.5	21x27x11	15.5	0.6
5	26x27x13	18	0.6