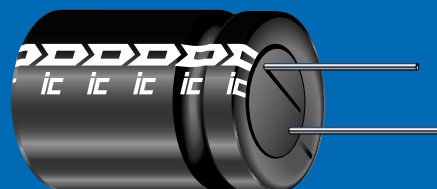


DLR

Supercapacitor



For Battery Backup or Alternative Power

APPLICATIONS

- Battery pack alternative
- UPS systems
- Electric/hybrid vehicles
- Solenoid/valve Actuation
- Holdup Power
- DC/DC Converters
- Car stereo systems
- Solar systems
- Memory backup
- Windmill systems

FEATURES

- High capacitance
- Compact Size
- High Power
- Low ESR
- Long Life
- High Energy
- RoHS Compliant
- Enviromentally Friendly

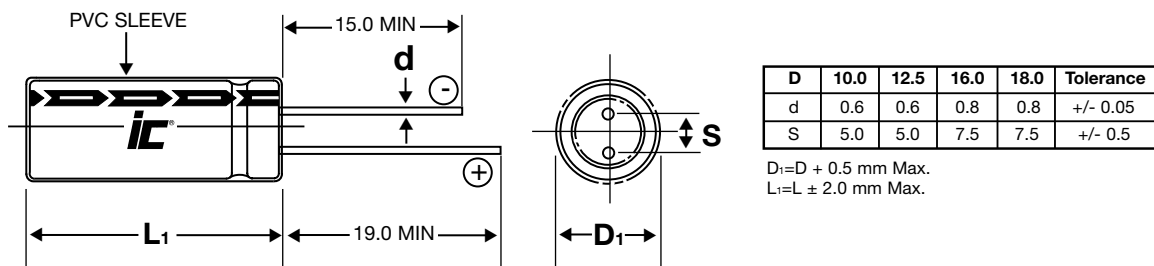
SPECIFICATIONS

Capacitance Tolerance		±10% at 20°C					
Operating Temperature Range		-25°C to + 60°C (2.3V) -25°C to + 70°C (2.5V)					
Working Voltage/ Surge Voltage	WVDC	2.3	2.5				
	SVDC	2.5	2.7				
Operating Current	WVDC	2.3				2.5	
	Charging/ Discharging	100mA/Farad				10mA/Farad	
Life cycles	WVDC	Cycles				Capacitance Change	
	2.3	100,000				< 30% of initial value	
	2.5	500,000				< 30% of initial value	
Load Life		1000 hours at +70°C with rated WVDC					
		Capacitance change				≤ 30% of initially measured value	
		ESR				≤ 300% of maximum specified value	
Shelf Life		1000 hours at +70°C and -25°C					
		Capacitance change		≤ 30% of initially measured value			
		ESR		≤ 300% of maximum specified value			

STANDARD PART LISTING

Capacitance (F)	WVDC	ic [®] PART NUMBER	Maximum ESR mΩ 120 Hz, 20°C	Maximum ESR mΩ DC, 20°C	Galvanometric Energy Density (wh/kg)	Volumetric Energy Density (wh/L)	Weight (grams)	Volume (ml)	DxL (mm)
4	2.5	405DLR2R5K	70	100	1.39	2.21	2.5	1.57	10x20
7	2.5	705DLR2R5K	50	70	2.43	3.1	2.5	1.96	10x25
9	2.5	905DLR2R5K	40	70	1.95	3.32	4	2.36	10x30
10	2.3	106DLR2R3K	100	150	2.94	4.68	2.5	1.57	10x20
12	2.5	126DLR2R5K	40	60	2.6	3.69	4	2.83	12.5x25
15	2.3	156DLR2R3K	80	120	3.44	5.62	3.2	1.96	10x25
20	2.3	206DLR2R3K	60	100	3.67	6.24	4	2.36	10x30
22	2.5	226DLR2R5K	25	40	2.45	3.8	7.8	5.02	16x25
25	2.3	256DLR2R3K	60	100	4.41	7.8	5	2.83	12.5x25
50	2.3	506DLR2R3K	40	70	4.59	7.31	8	5.02	16x25
55	2.5	556DLR2R5K	15	25	3.41	4.69	14	10.17	18x40
90	2.5	906DLR2R5K	5	7	3.47	4.57	22.5	17.1	22x45
120	2.3	127DLR2R3K	20	30	5.19	8.67	17	10.17	18x40
220	2.3	227DLR2R3k	10	20	7.05	10.31	25	17.1	22x45

Case diameters 10, 12.5, 16, 18



Case size 22x45

