



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





### FEATURES

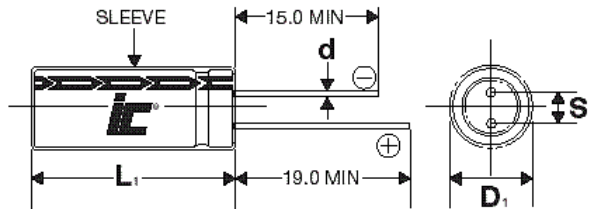
Very fast charge/discharge – High power density – IEC 62391 compliant – Circuit board mountable

### APPLICATIONS

Battery backup/ alternative – Pulse power – Energy harvesting – LED Displays – Mechanical actuators – Audio systems

<b>Operating Temperature Range</b>		<b>-25°C to +70°C</b>	
<b>Capacitance Tolerance</b>		<b>-20%/+50% @ 20°C</b>	
<b>Surge Voltage</b>	<b>WVDC</b>	<b>2.3</b>	
	<b>SVDC</b>	<b>2.5</b>	
<b>Maximum Current</b>		See standard part listing	1 second discharge to ½ WVDC
<b>Leakage Current</b>		See standard part listing	72 hours, 25°C
<b>Endurance</b>		<b>1000 hours at rated voltage and 70°C</b>	
		<b>Capacitance Change</b>	±30% of initially measured values
		<b>ESR</b>	≤200% of initially specified values
<b>Life Cycles</b> (25°C) 1 cycle= Charge to WVDC for 20s, constant voltage charging for 10s, discharge to ½ WVDC for 20s, rest for 10 s		<b>25,000 cycles</b>	
		<b>Capacitance Change</b>	±30% of initially measured values
		<b>ESR</b>	≤200% of initially specified values

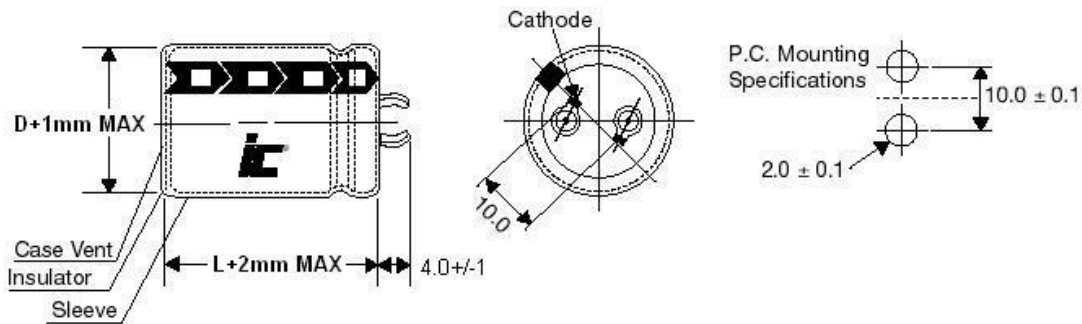
### Diameters: ≤22 mm



D	10	16	18	22
S	5.0	7.5	7.5	10
d	0.6	0.8	0.8	1.0

L<sub>1</sub>=L+1.5mm  
D<sub>1</sub>=D+0.5mm  
S<sub>1</sub>=S±0.5mm

### Diameters: >22mm



# DCR

Radial lead, high energy

Capacitance (F)	WVDC	IC PART NUMBER	MAX Current (A)	ESR AC 1 kHz (mΩ)	DC ESR (mΩ) 20°C	Max stored energy (mWh)	LC (mA), (72 hrs)	Specific Energy Gravimetric Density (wh/kg)	Specific Energy Volumetric Density (wh/l)	Specific Power Gravimetric Density (kw/kg)	Specific Power Volumetric Density (kw/l)	Weight (grams)	Volume (mL)	Dims DxL (mm)	Lead Spacing (mm)
10.0	2.3	106DCR2R3SGU	2.3	220	400	7.3472	0.05	3.6736	4.6774	0.794	1.0103	2	1.5708	10x20	5
22.0	2.3	226DCR2R3STU	5.34	120	170	16.1639	0.065	4.6852	6.5858	1.082	1.5214	3.45	2.4544	12.5x20	5
30.0	2.3	306DCR2R3STV	5.95	100	160	22.0417	0.085	5.8004	7.1845	1.044	1.2932	3.8	3.068	12.5x25	5
50.0	2.3	506DCR2R3SKV	9.58	60	100	36.7361	0.11	5.248	7.3084	0.9069	1.2629	7	5.0265	16x25	7.5
70.0	2.3	706DCR2R3SKY	11.58	50	85	51.4306	0.15	6.1593	7.3084	0.894	1.0613	8.35	7.0372	16x35	7.5
120.0	2.3	127DCR2R3SLZ	15.68	35	65	88.1667	0.4	6.6291	8.6618	0.734	0.9595	13.3	10.179	18x40	7.5
220.0	2.3	227DCR2R3SNI	23.21	25	45	161.1639	0.9	6.4656	9.0472	0.5643	0.7896	25	17.866	22x47	10
400.0	2.3	407DCR2R3SDG	41.82	20	25	293.8889	2	4.432	9.2393	0.3829	0.7983	66.31	31.809	30x45	10
600.0	2.3	607DCR2R3SDZ	53.08	15	20	440.8333	4	6.5649	10.394	0.473	0.7484	67.15	42.412	30x60	10
800.0	2.3	807DCR2R3SEK	70.77	10	15	587.7778	7.2	7.9926	8.7275	0.5755	0.6284	73.54	67.348	35x70	10