



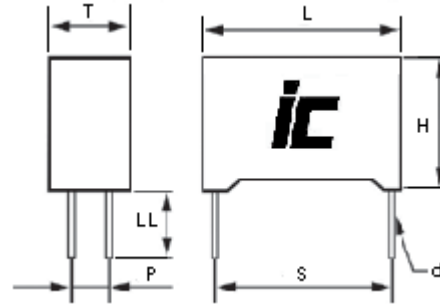
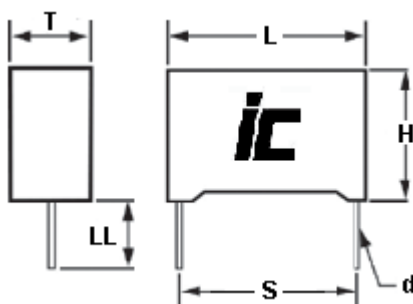
### FEATURES

Small Size - High Voltage - General Purpose

### APPLICATIONS

Inverters – DC link – AC/DC Motor Controls – Solar Inverters

<b>Operating Temperature Range</b>		<b>-40°C to +85°C</b>			
<b>Capacitance Tolerance</b>		$\pm 10\%$ at 1 kHz, 20°C +5% optional			
<b>Surge Voltage</b>	<b>WVDC</b>	<b>450</b>	<b>700</b>	<b>900</b>	<b>1100</b>
	<b>SVDC</b>	560	875	1125	1375
<b>Repetitive Surge Voltage</b>		<b>1.15*WVDC (30 minutes MAXIMUM per day)</b>			
<b>Dissipation Factor 1 kHz, +25C</b>		<b>C<math>\leq</math>20<math>\mu</math>F</b>	<b>20<math>\mu</math>F&lt;C<math>\leq</math>50<math>\mu</math>F</b>	<b>50<math>\mu</math>F&lt;C<math>\leq</math>75<math>\mu</math>F</b>	<b>C&gt;75<math>\mu</math>F</b>
		.2%	.3%	.37%	.45%
<b>Insulation Resistance @ 20°C (&lt;70% RH) for 1 minute at 100VDC applied</b>		<b>3000 Megohm x microfarad</b>			
<b>Self Inductance</b>		<1 nano-Henry per mm of lead spacing and lead length			
<b>Dielectric Strength</b>		<b>Terminal to Terminal</b>		<b>Terminal to Case</b>	
		150% of VDC applied between terminals for 10 Seconds and 25°C		3kVAC applied between terminals and case for 60 Seconds and 25°C	
<b>Life Expectancy</b>		>100,000 for WVDC at 70°C			
<b>Failure Quota</b>		300/1 x 10 <sup>9</sup> component hours			
<b>Construction</b>		Metallized polypropylene film			
<b>Coating</b>		Flame retardant plastic box with epoxy end fill (UL94V-0)			
<b>Lead Terminations</b>		Lead free tinned copper leads (RoHS compliant)			



#### Lead Lengths (LL)

2 leaded capacitors: 5mm $\pm$ 1.0 mm  
25 mm  $\pm$ 5 mm (Optional)

4 leaded capacitors: 5.5 mm  $\pm$ 1.5 mm

# DCB

2 or 4 lead box

Capacitance (µF)	WVDC	IC PART NUMBER	dv/dt (v/µ sec.)	Maximum RMS Ripple Current (A) 10 kHz, +70°C	Typical ESR (mΩ) 10 kHz, +25°C	Dims LxHxT (mm)	S (MM)	d (MM)	P (MM)	# Leads
7.5	1100	755DCB112K2J	20	7	12	42.5x33.5x22	37.5	1.2		2
10	900	106DCB900K2J	16	7.5	11	42.5x33.5x22	37.5	1.2		2
10	1100	106DCB112K2J	20	9	9.8	42.5x37x28	37.5	1.2		2
10	1100	106DCB112K4J	20	11	8.9	42.5x37x28	37.5	1.2	10.2	4
12	900	126DCB900K4J	16	11	8.9	41.5x40x20	37.5	1.2	10.2	4
12	900	126DCB900K2J	16	9	9.7	41.5x40x20	37.5	1.2		2
12.5	700	126DCB700K2J	13	7.5	11	42.5x30x22	37.5	1.2		2
12.5	1100	126DCB112K4J	20	12.5	7.7	42.5x45x30	37.5	1.2	20.3	4
12.5	1100	126DCB112K2J	20	11	8.5	42.5x45x30	37.5	1.2		2
15	700	156DCB700K2J	13	8	9.5	42.5x33.5x22	37.5	1.2		2
15	700	156DCB700K4J	13	9.5	8.7	42.5x33.5x22	37.5	1.2	10.2	4
15	900	156DCB900K4J	16	12	7.7	42.5x37x28	37.5	1.2	10.2	4
15	900	156DCB900K2J	16	10	8.5	42.5x37x28	37.5	1.2		2
16	900	166DCB900K2J	16	11	8.2	41.5x44x24	37.5	1.2		2
16	900	166DCB900K4J	16	12.5	7.4	41.5x44x24	37.5	1.2	10.2	4
20	700	206DCB700K4J	13	12	7.1	42.5x37x28	37.5	1.2	10.2	4
20	700	206DCB700K2J	13	10	7.9	42.5x37x28	37.5	1.2		2
20	900	206DCB900K2J	16	12	7.2	42.5x45x30	37.5	1.2		2
20	900	206DCB900K4J	16	14	6.4	42.5x45x30	37.5	1.2	20.3	4
20	1100	206DCB112K2R	13	12	8	57.5x45x30	52.5	1.2		2
20	1100	206DCB112K4R	13	14	7.2	57.5x45x30	52.5	1.2	20.3	4
22	700	226DCB700K4J	13	13	6.7	42.5x37x28	37.5	1.2	10.2	4
22	700	226DCB700K2J	13	11	7.5	42.5x37x28	37.5	1.2		2
25	450	256DCB450K2J	10	8	9.3	42.5x33.5x22	37.5	1.2		2
25	1100	256DCB112K2R	13	14	7.1	57.5x50x35	52.5	1.2		2
25	1100	256DCB112K4R	13	16	6.3	57.5x50x35	52.5	1.2	20.3	4
30	450	306DCB450K2J	10	10	8.3	41.5x40x20	37.5	1.2		2
30	700	306DCB700K2J	13	13	6.3	42.5x45x30	37.5	1.2		2
30	700	306DCB700K4J	13	15	5.5	42.5x45x30	37.5	1.2	20.3	4
30	900	306DCB900K4R	11	16	6.2	57.5x45x30	52.5	1.2	20.3	4
30	900	306DCB900K2R	11	13	7	57.5x45x30	52.5	1.2		2
30	1100	306DCB112K4R	13	17.5	5.9	57.5x57.5x38	52.5	1.2	20.3	4
35	1100	356DCB112K4R	13	19	5.4	57.5x57.5x38	52.5	1.2	20.3	4
40	450	406DCB450K4J	10	13	6.4	42.5x37x28	37.5	1.2	10.2	4
40	450	406DCB450K2J	10	11	7.1	42.5x37x28	37.5	1.2		2
40	900	406DCB900K2R	11	14	6	57.5x50x35	52.5	1.2		2
40	900	406DCB900K4R	11	19	5.2	57.5x50x35	52.5	1.2	20.3	4
45	700	456DCB700K4R	10	16	5.7	57.5x45x30	52.5	1.2	20.3	4
45	700	456DCB700K2R	10	14	6.5	57.5x45x30	52.5	1.2		2
50	450	506DCB450K2J	10	13	6.3	42.5x45x30	37.5	1.2		2
50	450	506DCB450K4J	10	15	5.5	42.5x45x30	37.5	1.2	20.3	4
50	900	506DCB900K4R	7.5	21	4.6	57.5x57.5x38	52.5	1.2	20.3	4
55	700	556DCB700K4R	10	19	4.9	57.5x50x30	52.5	1.2	20.3	4
55	700	556DCB700K2R	10	14	5.7	57.5x50x30	52.5	1.2		2
60	700	606DCB700K2R	10	14	5.5	57.5x50x35	52.5	1.2	20.3	2
60	700	606DCB700K4R	10	20	4.7	57.5x50x35	52.5	1.2	20.3	4
70	450	706DCB450K2R	7	14	6	57.5x45x30	52.5	1.2		2
70	450	706DCB450K4R	7	16	5.3	57.5x45x30	52.5	1.2	20.3	4
75	700	756DCB700K4R	10	21	4.3	57.5x57.5x38	52.5	1.2	20.3	4
100	450	107DCB450K4R	7	20	4.2	57.5x50x35	52.5	1.2	20.3	4
125	450	127DCB450K4R	7	22	3.7	57.5x57.5x38	52.5	1.2	20.3	4