DCB

Metallized Polypropylene Film Capacitors

Radial Leaded



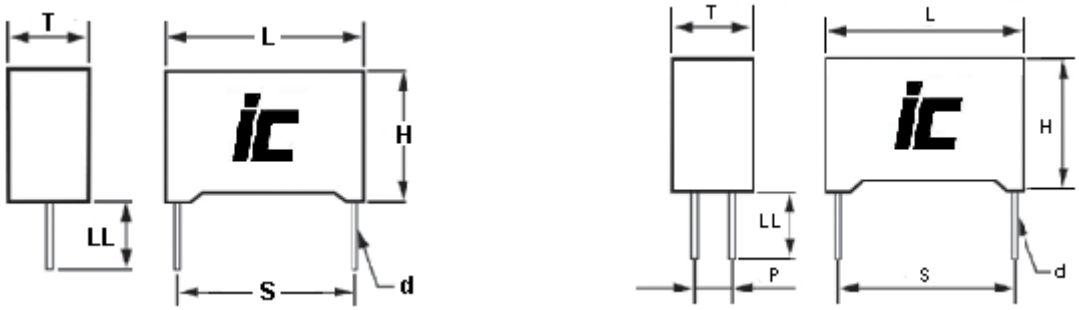
FEATURES

Small size - High voltage - General purpose

APPLICATIONS

Inverters – DC link – AC/DC motor controls – Solar inverters

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



Lead Lengths (LL)

2 leaded capacitors: 5mm+/-1.0 mm
25 mm +/-5 mm (Optional)

4 leaded capacitors: 5.5 mm +/-1.5 mm

ILLINOIS CAPACITOR

Your Global Source for World-Class Capacitors

© 2013 Illinois Capacitor, Inc.

North America
Tel: 847.675.1760
sales@illcap.com

Asia
Tel: 852.2793 0931
sales@illcap.com.hk

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

© 2016 Illinois Capacitor
North America
Tel: 847.675.1760
sales@illcap.com

Asia
Tel: 852.2793 0931
sales@illcap.com.hk