

DCB

Metallized Polypropylene Film Capacitors

Radial Leaded



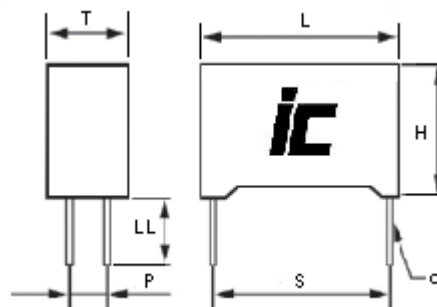
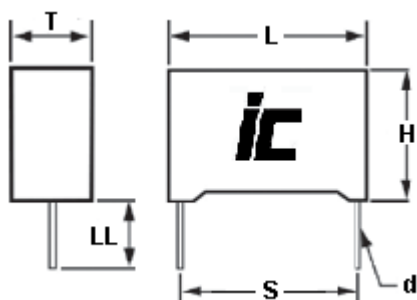
FEATURES

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

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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) 100 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	10.5	8.9	42.5x37x28	37.5	1.2	10.2	4
12	900	126DCB900K4J	16	10.5	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	11.5	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	206DCB112K4R	13	14	7	57.5x45x30	52.5	1.2	20.3	4
20	1100	206DCB112K2R	13	12	8	57.5x45x30	52.5	1.2		2
22	700	226DCB700K4J	13	12.5	6.7	42.5x37x28	37.5	1.2	10.2	4
22	700	226DCB700K2J	13	10.5	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	15.5	6.2	57.5x45x30	52.5	1.2	20.3	4
30	900	306DCB900K2R	11	13	7	57.5x45x30	52.5	1.2		2
40	450	406DCB450K4J	10	12.5	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
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	lugs
60	700	606DCB700K4R	10	19.5	4.7	57.5x50x35	52.5	1.2	20.3	lugs
70	450	706DCB450K2R	7	14	6	57.5x45x30	52.5	1.2		2
70	450	706DCB450K4R	7	15.5	5.3	57.5x45x30	52.5	1.2	20.3	4
75	700	756DCB700K4R	10	20.5	4.3	57.5x57.5x38	52.5	1.2	20.3	lugs
100	450	107DCB450K4R	7	19.5	4.2	57.5x50x35	52.5	1.2	20.3	4
125	450	127DCB450K4R	7	21.5	3.7	57.5x57.5x38	52.5	1.2	20.3	4
250	1100	356DCB112K4R	13	18.5	5.4	57.5x57.5x38	52.5	1.2	20.3	lugs
300	900	506DCB900K4R	7.5	20.5	3.4	57.5x57.5x38	52.5	1.2	20.3	lugs
300	1100	306DCB112K4R	13	17.5	5.9	57.5x57.5x38	52.5	1.2	20.3	lugs