



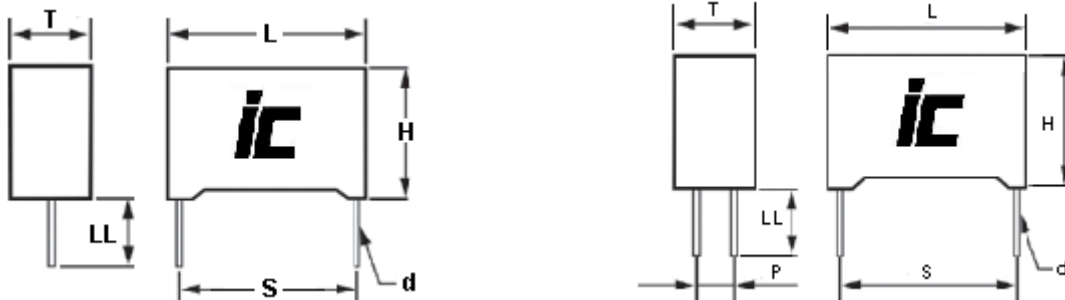
FEATURES

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

DCB

2 or 4 Lead Box

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