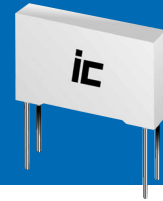


DCB

Radial Leaded Metallized Polypropylene Film Capacitors



APPLICATIONS

- DC Link
- AC/DC Motor Controls
- Welding Equipment
- Inverters

FEATURES

- Small Size
- High Voltage

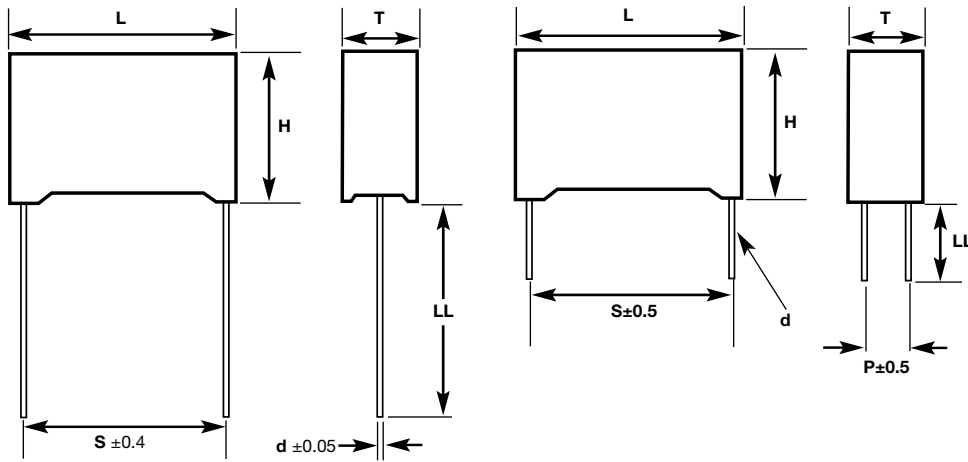
Operating Temperature Range		-40°C to +85°C			
Capacitance Tolerance		±10% at 1 kHz, 25°C ±5% optional			
Surge Voltage	WVDC	700	900	1100	
	SVDC	875	1125	1375	
	For T>+85°C the rated voltage must be de-rated by 1.25%/°C				
Disipation Factor 1kHz, 25°C		.2% Max C≤20µF .3% Max C>20µF			
Insulation Resistance @25°C (<70% RH)for 1 minute at 100VDC applied		3000 Megohmxmicrofarad			
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 2 Seconds and 25°C		3 kVAC@50/60Hz applied between terminals and case	
Life Expectancy		>100000 hours for WVDC, 30000 hours for VAC at 70°C			
Failure Quota		300/1x10 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)			

PHYSICAL DIMENSIONS

WVDC (V) μF	700 (875)	900 (1125)	1100 (1375)
7.5			42.5x33.5x22
10		42.5x33.5x22	42.5x37x28
12		41.5x40x20	
12.5	42.5x30x22		42.5x45x30
15	42.5x33.5x22	42.5x37x28	
16		41.5x44x24	
20	42.5x37x28	42.5x30x20	57.5x45x30
22	42.5x37x28		
25			57.5x50x35
30	42.5x45x30	57.5x45x30	
40		57.5x50x35	
45	57.5x45x30		
55	57.5x50x30		

Convert to inches, divide by 25.4

LxHxT (mm)



2 leaded capacitors: 5.5 mm +/-1.0 mm (standard)
25 mm +/-5 mm (Optional)

Leads lengths

4 leaded capacitors: 5.5 mm +/-1.5 mm

PHYSICAL DIMENSIONS

2 Lead Construction

Capacitance (μF)	WVDC	IC [®] PART NUMBER	dv/dt (V/μs)	Maximum RMS Ripple Current (A) 10kHz,+70°C	Typical ESR mΩ 10kHz,+25°C	L x H x T (mm)	S (mm)	d (mm)
7.5	1100	755DCB112K2J	20	7	11.28	42.5x33.5x22	37.5	1.2
10	900	106DCB900K2J	16	7.5	9.96	42.5x33.5x22	37.5	1.2
10	1100	106DCB112K2J	20	9	9.24	42.5x37x28	37.5	1.2
12	900	126DCB900K2J	16	8.5	.9	41.5x40x20	37.5	1.2
12.5	700	126DCB700K2J	13	7.5	10.2	42.5x30x22	37.5	1.2
12.5	1100	126DCB112K2J	20	10.5	8.04	42.5x45x30	37.5	1.2
15	700	156DCB700K2J	13	8	.9	42.5x33.5x22	37.5	1.2
15	900	156DCB900K2J	16	9.5	8.04	42.5x37x28	37.5	1.2
16	900	166DCB900K2J	16	10	7.8	41.5x44x24	37.5	1.2
20	700	206DCB700K2J	13	10	7.56	42.5x37x28	37.5	1.2
20	900	206DCB900K2J	16	11.5	6.84	42.5x30x20	37.5	1.2
20	1100	206DCB112K2R	13	12	7.68	57.5x45x30	52.5	1.2
22	700	226DCB700K2J	13	10	7.2	42.5x37x28	37.5	1.2
25	1100	256DCB112K2R	13	14	6.84	57.5x50x35	52.5	1.2
30	700	306DCB700K2J	13	12.5	5.88	42.5x45x30	37.5	1.2
30	900	306DCB900K2R	11	12.5	6.72	57.5x45x30	52.5	1.2
40	900	406DCB900K2R	11	14	5.76	57.5x50x35	52.5	1.2
45	700	456DCB700K2R	10	13.5	6	57.5x45x30	52.5	1.2
55	700	556DCB700K2R	10	14	5.4	57.5x50x30	52.5	1.2

4 Lead Construction

Capacitance (μF)	WVDC	IC [®] PART NUMBER	dv/dt (V/μs)	Maximum RMS Ripple Current (A) 10kHz,+70°C	Typical ESR mΩ 10kHz,+25°C	L x H x T (mm)	S (mm)	P (mm)	d (mm)
10	1100	106DCB112K4J	20	10.5	8.04	42.5x37x28	37.5	10.2	1.2
12	900	126DCB900K4J	16	10	7.8	41.5x40x20	37.5	10.2	1.2
12.5	1100	126DCB112K4J	20	12.5	6.84	42.5x45x30	37.5	20.3	1.2
15	700	156DCB700K4J	13	9.5	7.8	42.5x33.5x22	37.5	10.2	1.2
15	900	156DCB900K4J	16	11.5	6.84	42.5x37x28	37.5	10.2	1.2
16	900	166DCB900K4J	16	12	6.6	41.5x44x24	37.5	10.2	1.2
20	700	206DCB700K4J	13	12	6.36	42.5x37x28	37.5	10.2	1.2
20	900	206DCB900K4J	16	14	5.64	42.5x30x20	37.5	20.3	1.2
20	1100	206DCB112K4R	13	14	6.48	57.5x45x30	52.5	20.3	1.2
22	700	226DCB700K4J	13	12	6	42.5x37x28	37.5	10.2	1.2
25	1100	256DCB112K4R	13	16	5.64	57.5x50x35	52.5	20.3	1.2
30	700	306DCB700K4J	13	15	4.68	42.5x45x30	37.5	10.2	1.2
30	900	306DCB900K4R	11	15.5	5.52	57.5x45x30	52.5	20.3	1.2
40	900	406DCB900K4R	11	19	4.56	57.5x50x35	52.5	20.3	1.2
45	700	456DCB700K4R	10	16.5	4.8	57.5x45x30	52.5	20.3	1.2
55	700	556DCB700K4R	10	19	4.2	57.5x50x30	52.5	20.3	1.2