



## METALLIZED POLYPROPYLENE FILM CAPACITOR BOX TYPE

### FEATURES:

- Box type provides the identical outer appearance.
- Very low loss at high frequency, suitable for high current.
- High insulation resistance, long life due to self-healing effect.
- Widely used in high frequency, DC, AC and pulse circuits.

### CONFIGURATION:

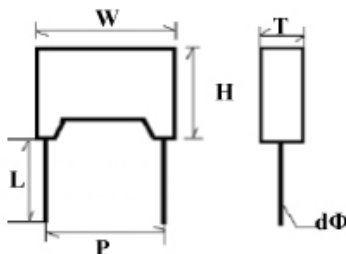
Non-inductive, wound with metallized polyester film as the dielectric and electrode, copper-clad steel leads and epoxy coating.

### SPECIFICATIONS:

Rated Voltage	250VDC, 520VDC, 630VDC, 2000 VDC
Capacitance	0.01 $\mu$ f ~ 7,500pF
Capacitance Tolerance	$\pm$ 10%(K)
Temperature Range	-40°C to +105°C

Test Items	Performance	Test Method
Insulation Resistance	CR $\leq$ 0.33 $\mu$ F IR $\geq$ 15,000M $\Omega$ CR > 0.33 $\mu$ F IR $\geq$ 5,000M $\Omega$	Measured at 100 $\pm$ 15 VDC, for 60 sec. / 25°C
Capacitance	Within the tolerance specified	1KHz, 1Vrms Max., at 25°C
Dissipation Factor	0.001 (0.1%) Max.	1KHz, 1Vrms Max., at 25°C
Tense Strength of Terminal	No wire breakage and no damage of capacitor	1. Load Force: 1.0 Kg 2. Holding Time: 10 $\pm$ 1 sec.
Bending Strength of Terminal	No wire breakage and no damage of capacitor	1. Load Force: 0.5 Kg 2. Bending Time: 4 x 90° in 5 sec.
Solderability	1. Appearance: No visible damage 2. Covering an area of > solder 95%	Soldering Process 1. Capacitor pre-heating temperature of T < 120°C 2. Pre-heating time capacitor t < 5 min. Single Wave Soldering 1. Solder temperature: 270 $\pm$ 5°C 2. Solder Time: 2 $\pm$ 0.5 sec.
Heat Shock Test	1. Appearance: No visible damage 2. Withstand voltage: Normal 3. Capacitance Change: $\leq$ $\pm$ 3% of the initial value	The terminal of capacitor shall be immersed in the meting solder. a. Solder temperature: 270°C b. Solder time: 3 $\pm$ 0.5 sec. c. Test voltage: 100% of the rated voltage for 1 min.
Cold Resistance	1. Appearance: No visible damage 2. Capacitance Change: $\leq$ $\pm$ 0 ~ -10% of the initial value	a. Test temperature: -40°C b. Test times: 2 hours
Dry Heat Resistance	1. Appearance: No visible damage 2. Withstand voltage: Normal 3. Capacitance Change: $\leq$ $\pm$ 5 ~ -2% of the initial value	a. Test temperature: 85°C $\pm$ 2°C b. Test times: 2 hours

Please contact us for special case or items not listed.

**DIMENSIONS: Units (mm)**


Part Number	CODE	RV	250VDC					
		SIZE	W	H	T	P	D $\Phi$	L (Lead Length)
		cap $\mu$ F	$\pm 0.5$	$\pm 0.5$	$\pm 0.5$	$\pm 0.5$	$\pm 0.05$	$\pm 1.0$
MPC250K103B7.5	103	0.010	10.0	9.0	4.0	7.5	0.6	15
MPC250K153B7.5	153	0.015	10.0	9.0	4.0	7.5	0.6	15
MPC250K223B7.5	223	0.022	10.0	9.0	4.0	7.5	0.6	15
MPC250K333B7.5	333	0.033	10.0	9.0	4.0	7.5	0.6	15
MPC250K473B7.5	473	0.047	10.0	9.0	4.0	7.5	0.6	15
MPC250K563B7.5	563	0.056	10.0	9.0	4.0	7.5	0.6	15
MPC250K683B7.5	683	0.068	10.0	9.0	4.0	7.5	0.6	15
MPC250K753B7.5	753	0.075	10.0	9.0	4.0	7.5	0.6	15
MPC250K823B15	823	0.082	18.0	11.0	5.0	15.0	0.8	15
MPC250K104B15	104	0.10	18.0	12.0	6.0	15.0	0.8	15
MPC250K154B15	154	0.15	18.0	12.0	6.0	15.0	0.8	15
MPC250K224B15	224	0.22	18.0	12.0	6.0	15.0	0.8	15
MPC250K334B15	334	0.33	18.0	12.0	6.0	15.0	0.8	15
MPC250K474B15	474	0.47	18.0	12.0	6.0	15.0	0.8	15
MPC250K564B15	564	0.56	18.0	12.0	6.0	15.0	0.8	15
MPC250K684B15	684	0.68	18.0	12.0	6.0	15.0	0.8	15
Part Number	CODE	RV	520VDC					
		SIZE	W	H	T	P	D $\Phi$	L (Lead Length)
		cap pF	$\pm 0.5$	$\pm 0.5$	$\pm 0.5$	$\pm 0.5$	$\pm 0.05$	$\pm 1.0$
MPC520K823B10	823	0.082	13.0	9.0	4.0	10.0	0.6	15
Part Number	CODE	RV	630VDC					
		SIZE	W	H	T	P	D $\Phi$	L (Lead Length)
		cap pF	$\pm 0.5$	$\pm 0.5$	$\pm 0.5$	$\pm 0.5$	$\pm 0.05$	$\pm 1.0$
MPC630J222B10D130904L30	222	0.0022	13.0	9.0	4.0	10	0.6	30
MPC630J223B10D130904	223	0.022	13.0	9.0	4.0	10	0.6	15
MPC630J223B10D131105	223	0.022	13.0	11.0	5.0	10	0.6	15

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Part Number	CODE	RV	2000VDC					
		SIZE	W	H	T	P	D $\Phi$	L (Lead Length)
		cap pF	$\pm 0.5$	$\pm 0.5$	$\pm 0.5$	$\pm 0.5$	$\pm 0.05$	$\pm 1.0$
MPC202K101B15	101	110	18.0	11.0	5.0	15.0	0.8	15
MPC202K151B15	151	150	18.0	11.0	5.0	15.0	0.8	15
MPC202K221B15	221	220	18.0	11.0	5.0	15.0	0.8	15
MPC202K331B15	331	330	18.0	11.0	5.0	15.0	0.8	15
MPC202K471B15	471	470	18.0	11.0	5.0	15.0	0.8	15
MPC202K561B15	561	560	18.0	11.0	5.0	15.0	0.8	15
MPC202K681B15	681	680	18.0	11.0	5.0	15.0	0.8	15
MPC202K751B15	751	750	18.0	11.0	5.0	15.0	0.8	15
MPC202K102B15	102	1000	18.0	11.0	5.0	15.0	0.8	15
MPC202K152B15	152	1500	18.0	11.0	5.0	15.0	0.8	15
MPC202K222B15	222	2200	18.0	12.0	6.0	15.0	0.8	15
MPC202K332B15	332	3300	18.0	12.0	6.0	15.0	0.8	15
MPC202K472B15	472	4700	18.0	12.0	6.0	15.0	0.8	15
MPC202K562B15	562	5600	18.0	12.0	6.0	15.0	0.8	15
MPC202K682B15	682	6800	18.0	12.0	6.0	15.0	0.8	15
MPC202K752B15	752	7500	18.0	12.0	6.0	15.0	0.8	15

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