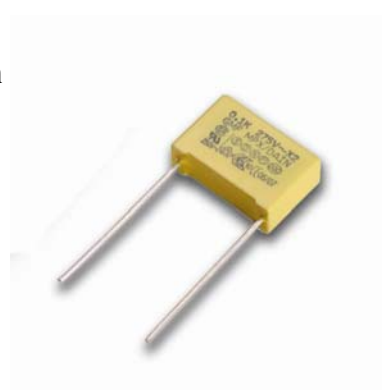




METALIZED POLPROPYLENE FILM CAPACITOR-MPX Series

- **MPX CAPACTIORS** are constructed with metalized polypropylene film dielectric, copper-ply lead, encapsulated in plastic case with epoxy resin sealed.
- They provide interference Suppression with safety approvals of EN132400, IEC384-14-14- II , (UL, CSA=250AC)file NO.E120045 and VDE0565-1 class X2(275VAC) file NO.40008520



APPLICATIONS

THE TYPE - MPX CAPACITORS ARE IDEAL FOR USING Line-By-Pass, Antenna coupling, Accross-The-Line and Spark killer circuits and available for EMI filter and switching power supply application, such as: Type-writers, adding machines, computer displays, monitors, mixers, fans, audio,TV circuits, coffee grinders, blower and sanders.

FEATURES

- Non-induction construction. Self-healing property.
- Flame-retardant plastic case and epoxy resin. (compliance with UL 94V-0)
- High moisture-resistance. Good solderability

SPECIFICATIONS

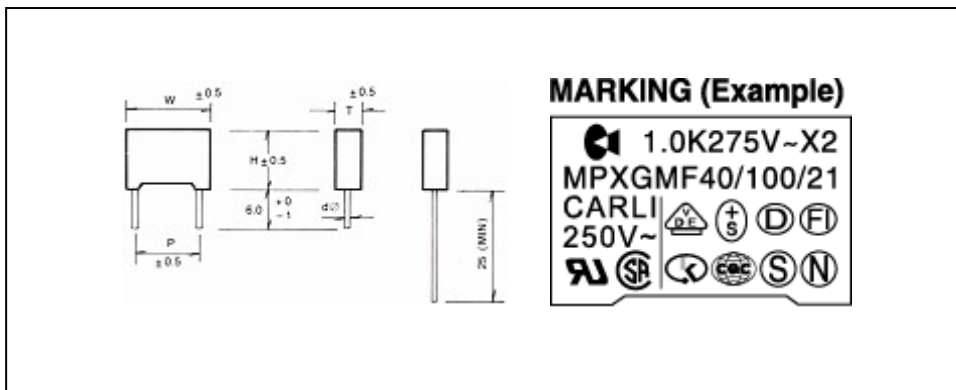
- 1. OPERATING TEMPERATURE RANG: -40°C~+100°C**
- 2. CAPACITOR RANGE: .01~1μF**
- 3. CAPACITOR TOLERANCE : J= ± 5%, K= ± 10%, M= ± 20%**
- 4. RATED VOLTAGE: 250VAC/275VAC**
- 5. DISSIPATION FACTOR: 0.1% MAX. when measured at 1KHz, 25°C.**
- 6. INSULATION RESISTANCE(IR) :**

Measured after a changing voltage $100 \pm 15\text{VDC}$ for 1 minute

i) if $C \leq .33\mu\text{F}$, $\text{IR} \geq 15,000\text{M}\Omega$ ii) if $C \geq .33\mu\text{F}$, $\text{IR} \geq 5,000\text{M}\Omega \cdot \mu\text{F}$.
- 7. DIELECTRIC STRENGTH TEST: Applied 1185 VDC for 1 minute or 2000VDC for 1 second.**
- 8. HUMIDITY-TEST: Shall withstand the test of RH 95% at 40°C for 21 days. After the test, the capacitance drift $\leq 5\%$ IR $\geq 50\%$ of specified value.**
- 9. LIEF TEST: The test voltage 313VAC shall be applied for 1000 hours in the +100°C chamber. During the period, 1000VAC 60Hz for a period of 0.1 sec be applied once each hour. After the test, the capacitor must meet the following limits:**

(A) Capacitance drift 10% of the initial value.

(B) Insulation resistance 50% of specified value.
- 10. LEAD PULL TEST: Shall withstand a steady pull of 1kg applied axially for 10 seconds.**
- 11. LEAD BEND TEST: The test consists of attaching a load of 1kg to the capacitor 90° from the direction of lead egress, the 180° in opposite direction and back to starting point. The lead shall sustain two cycles without breaking.**
- 12. MARKING: Must be legible correct and consists of capacitance tolerance, rated voltage, type designation climatic category, manufacturer's trade mark "CARLI", date code and recognition marks.**



SYMBOL	MFD	W	H	T	P	dØ	CASE NO.
MPX103	.01	13	9	4	10	0.6	C1
MPX153	.015	13	9	4	10	0.6	C1
MPX223	.022	13	9	4	10	0.6	C1
MPX333	.033	13	11	5	10	0.6	C2
MPX473	.047	13	11	5	10	0.6	C2
MPX683	.068	13	12	6	10	0.6	C3
MPX104	.1	13	12	6	10	0.6	C3
MPX223	.022	18	11.5	5	15	0.8	D1
MPX333	.033	18	11.5	5	15	0.8	D1
MPX473	.047	18	11.5	5	15	0.8	D1
MPX683	.068	18	11.5	5	15	0.8	D1
MPX104	.1	18	11.5	5	15	0.8	D1
MPX104	.1	18	12	6	15	0.8	D2
MPX154	.15	18	12	6	15	0.8	D2
MPX154	.15	18	14.5	8.5	15	0.8	D4
MPX224	.22	18	13.5	7.5	15	0.8	D3
MPX224	.22	18	14.5	8.5	15	0.8	D4
MPX224	.22	18	16	10	15	0.8	D5
MPX334	.33	18	14.5	8.5	15	0.8	D4
MPX334	.33	18	16	10	15	0.8	D5
MPX474	.47	18	16	10	15	0.8	D5
MPX474	.47	18	18.5	11	15	0.8	D6

MPX684	.68	18	18.5	11	15	0.8	D6
MPX154	.15	26.5	15	6	22.5	0.8	E1
MPX224	.22	26.5	15	6	22.5	0.8	E1
MPX224	.22	26.5	17	7	22.5	0.8	E2
MPX334	.33	26.5	17	7	22.5	0.8	E2
MPX334	.33	26.5	17	8.5	22.5	0.8	E3
MPX474	.47	26.5	17	8.5	22.5	0.8	E3
MPX474	.47	26.5	19	10	22.5	0.8	E4
MPX684	.68	26.5	19	10	22.5	0.8	E4
MPX824	.82	26.5	20	11	22.5	0.8	E5
MPX105	1.0	26.5	20	11	22.5	0.8	E5
MPX105	1.0	26.5	21.5	12.5	22.5	0.8	E6
MPX474	.47	32	20	11	27.5	0.8	F1
MPX564	.56	32	20	11	27.5	0.8	F1
MPX684	.68	32	20	11	27.5	0.8	F1
MPX824	.82	32	22	13	27.5	0.8	F2
MPX105	1.0	30	17.2	10	27.5	0.8	F0
MPX105	1.0	32	22	13	27.5	0.8	F2
MPX125	1.2	32	22	13	27.5	0.8	F2
MPX155	1.5	32	25	15	27.5	0.8	F3
MPX185	1.8	32	30	18	27.5	0.8	F4
MPX205	2.0	32	30	18	27.5	0.8	F4
MPX225	2.2	32	30	18	27.5	0.8	F4