竑碩科技股份有限公司

Hyper-Sense Technology

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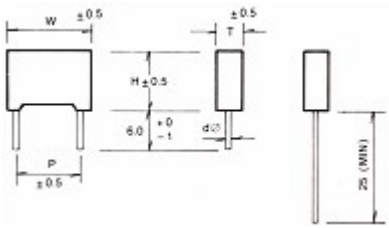
MPX

METALIZED POLYPROPYLENE CAPACITOR

(INTERFERENCE SUPPRESSORS CLASS-X2)

1.	OPERATING TEMPERATURE RANG: -40℃~+100℃
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℃.
6.	INSULATION RESISTANCE(IR) : Measured after a changing voltage 100 ± 15VDC for 1 minute i) if C ≤ .33μF, IR ≥ 15,000MΩ ii) if C ≥ .33μF, IR ≥ 5,000MΩ. μF.
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℃ for 21 days. After the test, the capacitance drift ≤ 5% IR ≥ 50% of specified value.
9.	LIEF TEST: The test voltage 313VAC shall be appliedfor 1000 hours in the +100 ℃ 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 thefollowing 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.



MARKING (Example)

CAPACITANCE 250VAC/275VAC							
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