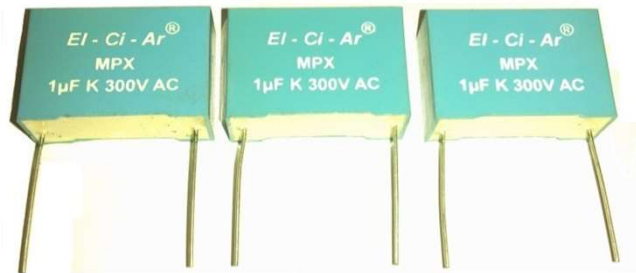


Construction:

MPX Series capacitors are constructed with metallized polypropylene film dielectric, copper clad tin plated leads and epoxy sealed FR grade box.

Features:

- Self healing properties
- Non - inductive construction
- Low Dissipation Factor and high Insulation Resistance
- High Moisture Resistance
- Good Over-voltage handling
- For X2 275 VAC / 300 VAC across the line applications



Application:

- Suitable for across the line, line bypass and other AC applications

Specification:

Reference Standard	IEC 60384-14
Operating Temperature	-40°C to + 105°C
Capacitance Range	0.01uF to 1uF
Capacitance Tolerance	±5% (J), ±10% (K), ±20% (M)
AC Rated Voltage Vr	275 / 300VAC
Dissipation Factor (DF)	0.05% max at 100Khz
Dielectric Strength	2100 VDC for 2 sec
Fire Retardancy	Fire Retardent Encapsulation
Insulation Resistance at 100V and 25°C	100,000 MΩ for C ≤ 0.33uF 10,000 sec for C ≥ 0.33 uF
Marking	El-Ci-Ar Logo, MPX, Capacitance, Tolerance, 300 VAC

Test Method & Performance

Endurance

Test Conditions

Temperature : +105°C

Test Duration: 1000 hours

Voltage Applied: 1.25 x Vr

Performance

Δ Capacitance : ±5%

Δ DF : 0.3% max

IR: ≥ 50% of Initial Limit

Resistance to Soldering heat

Test Conditions

Solder Bath Temperature: + 260°C

Dipping Time: 10 sec max

Performance

Capacitance Change: ±1%

Δ DF: 0.02% max

IR: ≥ Initial Limit

Hitech Electrocomponents Pvt Ltd

Works - Plot No 2G, Block No 89, Tarihal Industrial Area, Hubli 580026

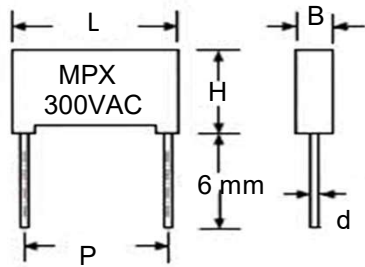
Office - 1st Floor Mistry Mansion, 107 M.G. Road, Fort, Mumbai 400001

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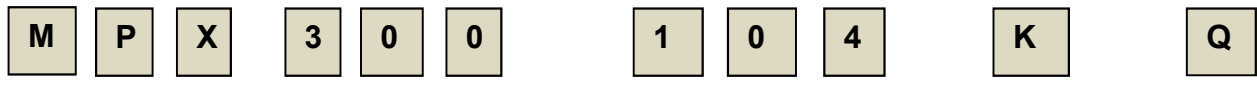
www.elciar.in sales@elciar.in

Metallized Polypropylene X2 - MPX



Pitch (mm)	dØ (mm)
10	0.6
15	0.8
22.5	0.8
27.5	0.8

Part No. Information



Product Code
MPX

Rated Voltage
300 VAC

Capacitance
103 = 0.01µF
104 = 0.1µF
105 = 1.0µF

Tolerance
J = ±5%
K = ±10%
M = ±20%

Pitch
P = 10
Q = 15
R = 22.5
S = 27.5

Value	Code	B	H	L	P
0.01	103	4	11	13	10
0.015	153	4	11	13	10
0.022	223	4	11	13	10
0.027	273	4	11	13	10
0.033	333	4	11	13	10
0.039	393	4	11	13	10
0.047	473	4	11	13	10
0.047	473	5	11	18	15
0.056	563	6	12	18	15
0.068	683	5	11	13	10
0.068	683	5	11	18	15
0.075	753	6	12	18	15
0.082	823	6	12	18	15
0.1	104	6	12	13	10
0.1	104	6	12	18	15
0.15	154	7	14	18	15
0.22	224	7	14	18	15
0.22	224	7	16.5	26.5	22.5
0.27	274	8	17	26.5	22.5
0.33	334	9	16	18	15
0.33	334	7	16.5	26.5	22.5
0.47	474	9	17	18	15
0.47	474	10	18.5	26.5	22.5
0.56	564	10	19	26.5	22.5
0.68	684	10	18.5	26.5	22.5
0.68	684	11	20	32	27.5
0.82	824	10	18.5	26.5	22.5
1.0	105	10	18.5	26.5	22.5
1.0	105	13	22	32	27.5
1.5	155	13	22	32	27.5
2.2	225	14	24.5	32	27.5

Other values and sizes are available on request
All dimensions are in mm

MPX Bulletin 1 / rev.3

Design and specifications are subject to change without notice

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