Type MPX Polypropylene Film Capacitors

Metallized Box Style, Vac Rated

Interference Suppression and Across-the-Line VAC Applications

The Type MPX metallized, polypropylene class X2 film capacitors are ideal for across-the-line and interference suppression circuit applications. This series features the self-healing capabilities associated with metallized polypropylene, compact design, and flame retardant construction. Tape and reel packaging are available for ratings with a pitch of 10 mm to 32.5 mm.

RoHS Compliant

Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

Specifications

Voltage Range: 250 Vac, 60 Hz 275 Vac, 60 Hz

Capacitance Range: .0047– 2.2 µF
(.0047 – 1.0 µF)

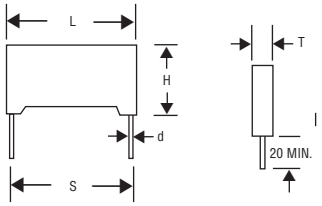
Capacitance Tolerance: ±10% (K) standard
±5% (J)

Operating Temperature Range: –40 °C to +100 °C

Dielectric Strength: 2100 Vdc (1 minute)

Dissipation Factor: .10% Max. (25°C, 1kHz)

Insulation Resistance: 10,000 mOhms x µF min.,
not to exceed 30,000 mOhms min.



Ratings

Cap. (µF)	Catalog Part Number	T ±.020 (0.5) Inches (mm)	H ±.020 (0.5) Inches (mm)	L ±.020 (0.5) Inches (mm)	S ±.040 (1.0) Inches (mm)	d Inches (mm)	dV/dt V/µs
275 Vac							
0.0047	MPXQD47K	.197 (5.0)	.433 (11.0)	.512 (13.0)	.394 (10.0)	.024 (.6)	100
0.0068	MPXQD68K	.197 (5.0)	.433 (11.0)	.512 (13.0)	.394 (10.0)	.024 (.6)	100
0.010	MPXQS1K	.197 (5.0)	.433 (11.0)	.512 (13.0)	.394 (10.0)	.024 (.6)	100
0.015	MPXQS15K	.197 (5.0)	.433 (11.0)	.512 (13.0)	.394 (10.0)	.024 (.6)	100
0.022	MPXQS22K	.197 (5.0)	.433 (11.0)	.512 (13.0)	.394 (10.0)	.024 (.6)	100
0.033	MPXQS33K	.236 (6.0)	.472 (12.0)	.512 (13.0)	.394 (10.0)	.024 (.6)	100
0.047	MPXQS47K	.197 (5.0)	.433 (11.0)	.709 (18.0)	.591 (15.0)	.032 (.8)	45
0.068	MPXQS68K	.236 (6.0)	.472 (12.0)	.709 (18.0)	.591 (15.0)	.032 (.8)	45
0.100	MPXQP1K	.236 (6.0)	.531 (13.5)	.709 (18.0)	.591 (15.0)	.032 (.8)	45
0.150	MPXQP15K	.335 (8.5)	.571 (14.5)	.709 (18.0)	.591 (15.0)	.032 (.8)	45
0.220	MPXQP22K	.276 (7.0)	.650 (16.5)	1.043 (26.5)	.886 (22.5)	.032 (.8)	25
0.330	MPXQP33K	.335 (8.5)	.669 (17.0)	1.043 (26.5)	.886 (22.5)	.032 (.8)	25
0.47	MPXQP47K	.394 (10.0)	.748 (19.0)	1.043 (26.5)	.886 (22.5)	.032 (.8)	25
0.560	MPXQP56K	.433 (11.0)	.787 (20.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)	20
0.680	MPXQP68K	.433 (11.0)	.787 (20.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)	20
1.000	MPXQW1K	.551 (14.0)	.984 (25.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)	20
1.200	MPXQW1P2K	.590 (15.0)	1.181 (30.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)	20
1.500	MPXQW1P5K	.590 (15.0)	1.181 (30.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)	20
1.800	MPXQW1P8K	.748 (19.0)	1.42 (29.0)	1.457 (37.0)	1.280 (32.5)	.032 (.8)	16
2.200	MPXQW2P2K	.748 (19.0)	1.42 (29.0)	1.457 (37.0)	1.280 (32.5)	.032 (.8)	16

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