

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.



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 (UL and CSA)
275 Vac, 60 Hz (VDE and ENCE)

Capacitance Range: .0047– 2.2 μ F
(.0047 – 1.0 μ F on UL/CSA Spec.)

Capacitance Tolerance: \pm 10% (K) standard
 \pm 5% (J)

Operating Temperature Range: –40 °C to +100 °C
(85 °C on UL/CSA Spec.)

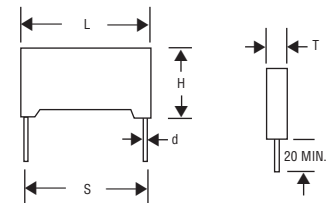
Dielectric Strength: 2100 Vdc (1 minute)

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

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

Agency Approvals:

UL E171988
CSA LR701482
VDE 40017879
ENCE 40017879



Ratings

| Cap. (μ F) | Catalog Part Number | T \pm .020 (0.5) Inches (mm) | H \pm .020 (0.5) Inches (mm) | L \pm .020 (0.5) Inches (mm) | S \pm .040 (1.0) Inches (mm) | d Inches (mm) | dV/dt V/ μ s |
|--------------------|------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|---------------------|
| 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 |