

# 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 10mm and 15 mm..

### Specifications

**Voltage Range:** 250 Vac

**Capacitance Range:** .0047-1.0  $\mu$ F

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

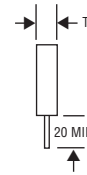
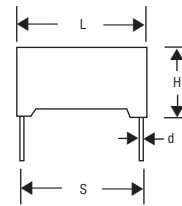
**Operating Temperature Range:**  $-40^{\circ}$  C to  $85^{\circ}$  C

**Dielectric Strength:** 2100 Vdc (1 minute)

**Dissipation Factor:** .10% Max. ( $25^{\circ}$  C, 1kHz)

**Insulation Resistance:** 10,000 mOhms x  $\mu$ F min.,  
not to exceed 30,000 mOhms  
min.

		Pulse Capability			
Rated Volts	Body Length				
	0.512	0.709	1.043	1.26	
	dV/dt—volts per microsecond, maximum				
250	100	45	25	20	



### Agency Approvals:

<b>UL</b>	E171988
<b>CSA</b>	LR701482
<b>VDE</b>	94594
<b>SEV</b>	96.5 50875.01
<b>SEMKO</b>	9622001 01
<b>DEMKO</b>	305640
<b>NEMKO</b>	P96101909
<b>FIMKO</b>	195765

### Ratings and Dimensions

Cap. $\mu$ F	Catalog 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)
<b>250 Vac</b>						
.0047	MPXQD47K	.197 (5.0)	.433 (11.0)	.512 (13.0)	.394 (10.0)	.024 (.6)
.0068	MPXQD68K	.197 (5.0)	.433 (11.0)	.512 (13.0)	.394 (10.0)	.024 (.6)
.0100	MPXQS1K	.197 (5.0)	.433 (11.0)	.512 (13.0)	.394 (10.0)	.024 (.6)
.0150	MPXQS15K	.197 (5.0)	.433 (11.0)	.512 (13.0)	.394 (10.0)	.024 (.6)
.0220	MPXQS22K	.197 (5.0)	.433 (11.0)	.512 (13.0)	.394 (10.0)	.024 (.6)
.0330	MPXQS33K	.236 (6.0)	.472 (12.0)	.512 (13.0)	.394 (10.0)	.024 (.6)
.0470	MPXQS47K	.197 (5.0)	.433 (11.0)	.709 (18.0)	.591 (15.0)	.032 (.8)
.0680	MPXQS68K	.236 (6.0)	.472 (12.0)	.709 (18.0)	.591 (15.0)	.032 (.8)
.1000	MPXQP1K	.236 (6.0)	.531 (13.5)	.709 (18.0)	.591 (15.0)	.032 (.8)
.1500	MPXQP15K	.335 (8.5)	.571 (14.5)	.709 (18.0)	.591 (15.0)	.032 (.8)
.2200	MPXQP22K	.276 (7.0)	.650 (16.5)	1.043 (26.5)	.886 (22.5)	.032 (.8)
.3300	MPXQP33K	.335 (8.5)	.669 (17.0)	1.043 (26.5)	.886 (22.5)	.032 (.8)
.0470	MPXQP47K	.394 (10.0)	.748 (19.0)	1.043 (26.5)	.886 (22.5)	.032 (.8)
.5600	MPXQP56K	.433 (11.0)	.787 (20.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
.6800	MPXQP68K	.433 (11.0)	.787 (20.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
1.000	MPXQW1K	.551 (14.0)	.984 (25.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)