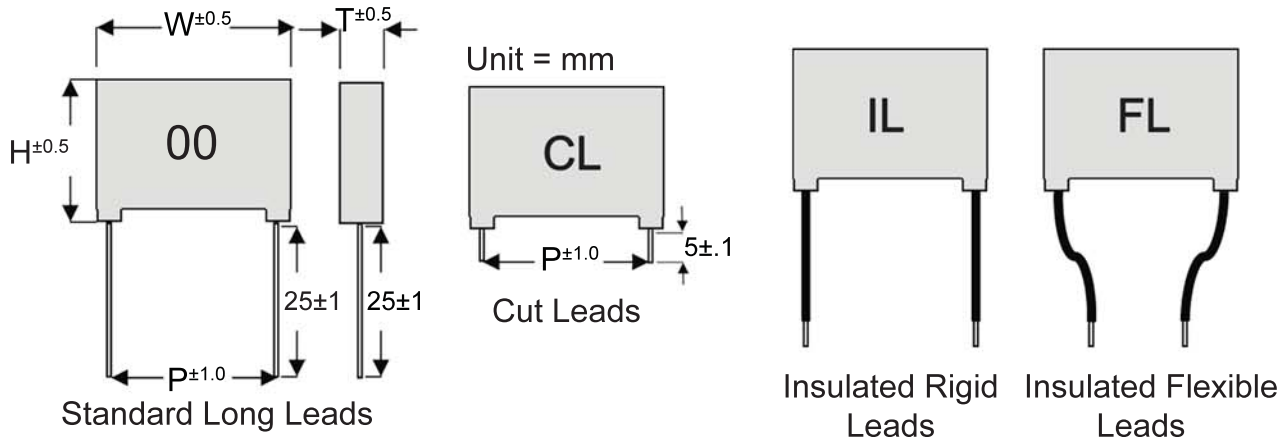


EMI Suppression Capacitors



Part Number Nomenclature

M K P X 1 4 4 0 1 0 5 K 2 7 H 0 0

Type:
Metallized
Polypropylene

Rated Voltage (AC):
275 = 250 / 275
300 = 250 / 300
310 = 275 / 310
440 = 440

Class:
X1
X2
Y2

Capacitance Code (pF):
First two digits are
significant digits.
Third digit is number
of zeros.

Ex: 105 = 1,000,000pF = 1 μ F

Tolerance Code:
J - $\pm 5\%$
K - $\pm 10\%$
M - $\pm 20\%$

Color:
Y - Yellow
H - Grey
G - Green
B - Blue
K - Black

Pitch (mm):
07 = 7.5
10 = 10.0
15 = 15.0
22 = 22.5
27 = 27.5
37 = 37.5

Lead Code:
00 - Standard Long
CL - Cut
IL - Insulated Rigid
FL - Insulated Flexible



Series MKPX2 X2 Class 275 VAC

Non-inductive construction using Metallized Polypropylene dielectric packaged in a UL94V-0 plastic case and epoxy resin. Applications include: EMI suppression, SPS, audio and TV circuits, antenna coupling and line-by-pass, radio and across the line suppression.



Specifications



(IEC 60384-14, GB/T14472-98, EN 60384-14, UL60384-14)

Temperature Range

-40°C - +110°C.

Rated Voltage

275 VAC.

Capacitance Range

0.0047µF to 2.2µF

Capacitance Tolerance

±5%, ±10%, ±20%

Dissipation

$C_R \leq 1.0\mu F$: .3% max at 10KHz.

$C_R > 1.0\mu F$: .1% max at 10KHz.

Dv/Dt

400 V/µs 7.5 mm Pitch; 350 V/µs 10 mm

Pitch; 250 V/µs 15 mm Pitch; 150 V/µs

22.5 mm Pitch; 100 V/µs 27.5 mm Pitch.

Dielectric Withstanding Voltage

1800 VDC 2 sec.

Cap.	275 VAC					
µF	Part #	P	W (max)	H (max)	T (max)	LD (dia)
0.0047	MKPX2275472-10-00	10.0	13.0	9.0	4.0	0.6
0.0056	MKPX2275562-10-00	10.0	13.0	9.0	4.0	0.6
0.0068	MKPX2275682-10-00	10.0	13.0	11.0	4.0	0.6
0.010	MKPX2275103-10-00	10.0	13.0	11.0	4.0	0.6
0.010	MKPX2275103-15-00	15.0	18.0	11.0	5.0	0.8
0.015	MKPX2275153-10-00	10.0	13.0	11.0	4.0	0.6
0.015	MKPX2275153-15-00	15.0	18.0	11.0	5.0	0.8
0.022	MKPX2275223-10-00	10.0	13.0	11.0	4.0	0.6
0.022	MKPX2275223-15-00	15.0	18.0	11.0	5.0	0.8
0.033	MKPX2275333-10-00	10.0	13.0	11.0	5.0	0.8
0.033	MKPX2275333-15-00	15.0	18.0	11.0	5.0	0.8
0.047	MKPX2275473-10-00	10.0	13.0	12.0	6.0	0.8
0.047	MKPX2275473-15-00	15.0	18.0	11.0	5.0	0.8
0.068	MKPX2275683-15-00	15.0	18.0	11.0	5.0	0.8
0.082	MKPX2275823-15-00	15.0	18.0	11.0	5.0	0.8
0.10	MKPX2275104-15-00	15.0	18.0	12.0	6.0	0.8
0.15	MKPX2275154-15-00	15.0	18.0	13.0	7.0	0.8
0.22	MKPX2275224-15-00	15.0	18.0	14.5	7.5	0.8
0.22	MKPX2275224-22-00	22.5	26.5	15.0	6.0	0.8
0.33	MKPX2275334-15-00	15.0	18.0	18.0	10.0	0.8
0.33	MKPX2275334-22-00	22.5	26.5	16.5	7.0	0.8
0.47	MKPX2275474-22-00	22.5	26.5	17.0	8.5	0.8
0.68	MKPX2275684-22-00	22.5	26.5	19.0	10.0	0.8
0.68	MKPX2275684-27-00	27.5	32.0	17.5	8.5	0.8
1.0	MKPX2275105-27-00	27.5	32.0	20.0	11.0	0.8
1.5	MKPX2275155-27-00	27.5	32.0	25.0	14.0	0.8
2.2	MKPX2275225-27-00	27.5	32.0	27.5	17.5	0.8
2.2	MKPX2275225-27-00	27.5	32.0	30.0	15.0	0.8