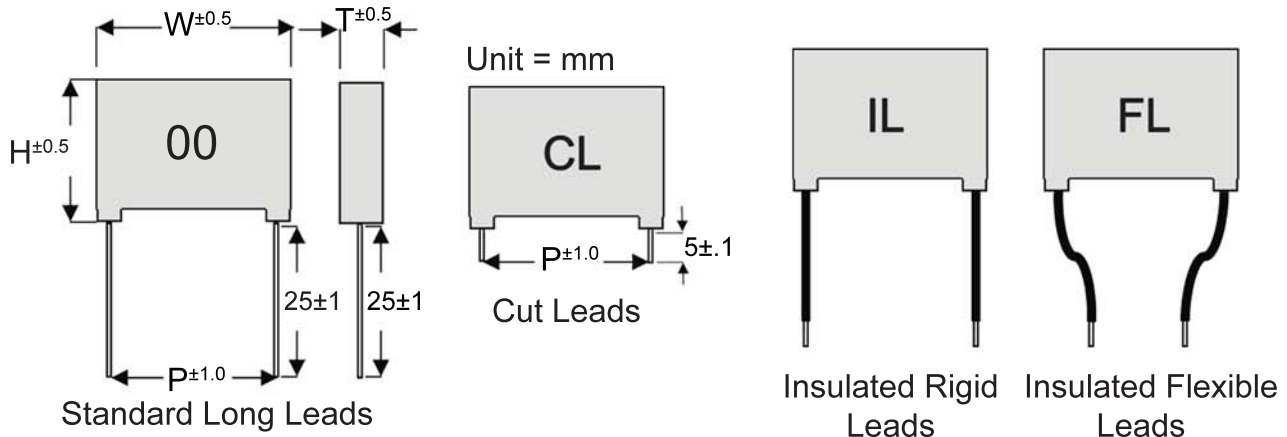


EMI Suppression Capacitors



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.

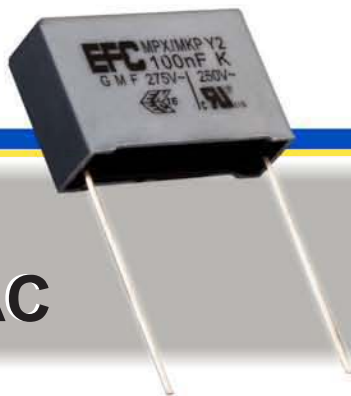
Ex: 105 = 1,000,000pF = 1 μ F

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 MKPY2 Y2 Class 300 VAC

Non-inductive construction using Metallized Polypropylene dielectric packaged in a UL94V-0 plastic case and epoxy resin. Applications include: Lighting, audio and TV circuits, home appliances (mixers, fans, etc.), electric tools and EMI filters.



Specifications



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

Temperature Range

-40°C - +110°C.

Dissipation

.3% max at 10KHz.

Rated Voltage

300 VAC (UL) 300 VAC (CQC & ENEC).

Pulse Voltage

Up to 5000 VDC.

Capacitance Range

0.001µF to 0.1 µF

Dv/Dt

Up to 300V/µs.

Capacitance Tolerance

±10%, ±20%

Dielectric Withstanding Voltage

2000 VAC / 3500 VDC

| Cap. | 300 VAC | | | | | |
|--------|-------------------|------|------------|------------|------------|-------------|
| µF | Part # | P | W (max) | H (max) | T (max) | LD (dia) |
| 0.0010 | MKPY2300102-10-00 | 10.0 | 13.0 | 9.0 | 4.0 | 0.6 |
| 0.0022 | MKPY2300222-10-00 | 10.0 | 13.0 | 11.0 | 4.0 | 0.6 |
| 0.0033 | MKPY2300332-10-00 | 10.0 | 13.0 | 11.0 | 4.0 | 0.6 |
| 0.0047 | MKPY2300472-10-00 | 10.0 | 13.0 | 11.0 | 4.0 | 0.6 |
| 0.0056 | MKPY2300562-10-00 | 10.0 | 13.0 | 11.0 | 5.0 | 0.6 |
| 0.0068 | MKPY2300682-10-00 | 10.0 | 13.0 | 11.0 | 5.0 | 0.6 |
| 0.01 | MKPY2300103-10-00 | 10.0 | 13.0 | 12.0 | 6.0 | 0.6 |
| 0.01 | MKPY2300103-15-00 | 15.0 | 18.0 | 11.0 | 5.0 | 0.8 |
| 0.015 | MKPY2300153-15-00 | 15.0 | 18.0 | 11.0 | 5.0 | 0.8 |
| 0.022 | MKPY2300223-15-00 | 15.0 | 18.0 | 12.0 | 6.0 | 0.8 |
| 0.033 | MKPY2300333-15-00 | 15.0 | 18.0 | 13.0 | 7.0 | 0.8 |
| 0.047 | MKPY2300473-15-00 | 15.0 | 18.0 | 14.5 | 8.5 | 0.8 |
| 0.068 | MKPY2300683-15-00 | 15.0 | 18.0 | 16.0 | 10.0 | 0.8 |
| 0.068 | MKPY2300683-22-00 | 22.5 | 26.5 | 16.5 | 7.0 | 0.8 |
| 0.10 | MKPY2300104-22-00 | 22.5 | 26.5 | 17.0 | 8.5 | 0.8 |