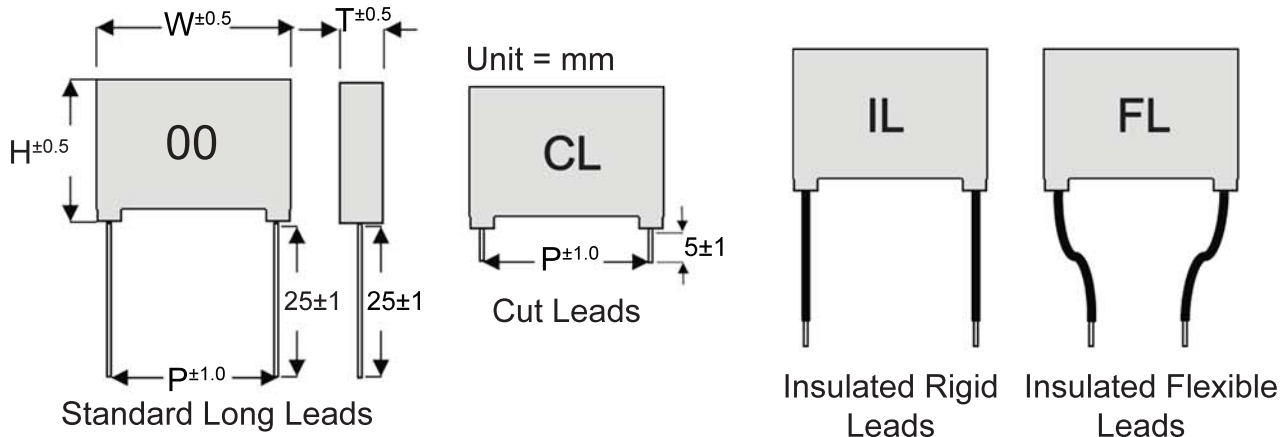


# EMI Suppression Capacitors



## 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.

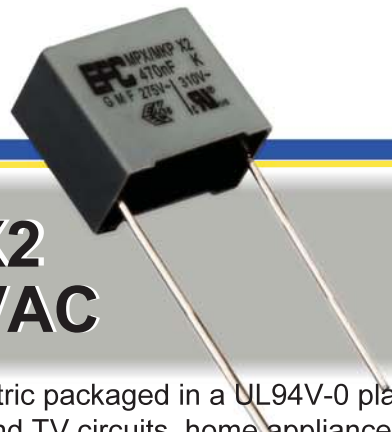
Ex: 105 = 1,000,000pF = 1 $\mu$ F

**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 310 VAC

Non-inductive construction using Metallized Polypropylene dielectric packaged in a UL94V-0 plastic case and epoxy resin. Applications include: EMI suppression, 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**

$C_R \leq 1.0\mu F$  : .3% max at 10KHz.  
 $C_R > 1.0\mu F$  : .1% max at 10KHz.

**Rated Voltage**  
310 VAC  
630 VDC

**Dv/Dt**  
Up to 100V/ $\mu s$ .

**Capacitance Range**  
0.0047 $\mu F$  to 10 $\mu F$

**Dielectric Withstanding Voltage**  
1800 VDC 2 sec.

**Capacitance Tolerance**  
 $\pm 5\%$ ,  $\pm 10\%$ ,  $\pm 20\%$

Cap.	310 VAC					
	$\mu F$	Part #	P	W (max)	H (max)	T (max)
0.0047	MKPX2310472-10-00	10.0	13.0	9.0	4.0	0.6
0.0056	MKPX2310562-10-00	10.0	13.0	9.0	4.0	0.6
0.0068	MKPX2310682-10-00	10.0	13.0	11.0	4.0	0.6
0.010	MKPX2310103-10-00	10.0	13.0	11.0	4.0	0.6
0.010	MKPX2310103-15-00	15.0	18.0	11.0	5.0	0.8
0.015	MKPX2310153-10-00	10.0	13.0	11.0	4.0	0.6
0.015	MKPX2310153-15-00	15.0	18.0	11.0	5.0	0.8
0.022	MKPX2310223-10-00	10.0	13.0	11.0	4.0	0.6
0.022	MKPX2310223-15-00	15.0	18.0	11.0	5.0	0.8
0.033	MKPX2310333-10-00	10.0	13.0	11.0	4.0	0.8
0.033	MKPX2310333-15-00	15.0	18.0	11.0	5.0	0.8
0.047	MKPX2310473-10-00	10.0	13.0	11.0	5.0	0.8
0.047	MKPX2310473-15-00	15.0	18.0	11.0	5.0	0.8
0.068	MKPX2310683-15-00	15.0	18.0	11.0	5.0	0.8
0.082	MKPX2310823-15-00	15.0	18.0	11.0	5.0	0.8
0.10	MKPX2310104-15-00	15.0	18.0	11.0	5.0	0.8
0.15	MKPX2310154-15-00	15.0	18.0	12.0	6.0	0.8
0.22	MKPX2310224-15-00	15.0	18.0	13.0	7.0	0.8
0.22	MKPX2310224-22-00	22.5	26.5	15.0	6.0	0.8
0.33	MKPX2310334-15-00	15.0	18.0	14.5	8.5	0.8
0.33	MKPX2310334-22-00	22.5	26.5	15.0	6.0	0.8
0.47	MKPX2310474-15-00	15.0	18.0	16.0	10.0	0.8
0.47	MKPX2310474-22-00	22.5	26.5	16.5	7.0	0.8
0.68	MKPX2310684-22-00	22.5	26.5	17.0	8.5	0.8
0.68	MKPX2310684-27-00	27.5	32.0	17.5	8.5	0.8
1.0	MKPX2310105-27-00	27.5	31.0	20.0	11.0	0.8
1.5	MKPX2310155-22-00	22.5	26.5	20.0	11.0	0.8
1.5	MKPX2310155-27-00	27.5	32.0	22.0	11.0	0.8
2.2	MKPX2310225-27-00	27.5	31.0	25.0	14.0	0.8
3.3	MKPX2310335-27-00	27.5	32.0	27.5	17.5	0.8
4.7	MKPX2310475-27-00	27.5	32.0	37.0	22.0	1.0
10.0	MKPX2310106-37-00	37.0	41.0	41.0	26.0	1.0