



Film Capacitors

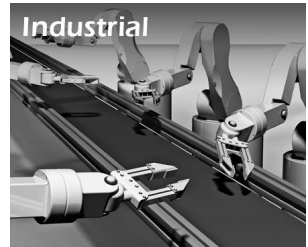
EMI suppression capacitors (MKP)

Date: May 2009

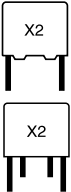
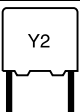
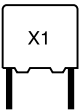

EMI suppression capacitors (MKP)

These products are available in polypropylene (PP) and used mainly in industrial, consumer and lighting applications, e.g. for RFI suppression and prevention of electric shock to humans and animals.

The special features of these UL and ENEC certified components are self-extinction and overvoltage security, which is ensured by a special resin filling as well as an "open circuit" failure mode to avoid dangerous shorts. The available categories are X and Y and their subclasses.



EMI suppression capacitors (MKP)
Overview
EMI suppression capacitors

Class		Construction	Lead spacing mm	Series	Style	V _R (50/60 Hz) V AC	C _R μF	Page
X2		Boxed (wound)	10, 15, 22.5, 27.5, 37.5, 52.5	B3292*C/D B3292*E/F	MKP	305	0.01 ... 45.0	
			15, 22.5, 27.5	B3292*7 ¹⁾	MKP	305	0.1 ... 2.2	
Y2			10, 15, 22.5, 27.5, 37.5	B3202*2 ²⁾	MKP	300	0.0010 ... 1.0	
X1			10, 15, 22.5, 27.5, 37.5	B3291*	MKP	330	0.01 ... 6.8	
Y1			15, 22.5	B81123	MKP	250	0.001 ... 0.010	

For further X and Y series please refer to our internet www.epcos.com/emi_capacitors.

1) Humidity resistant X2 capacitors. Please refer to chapter "EMI suppression capacitors (MKP) - 5 Humidity resistant X2 EMI suppression capacitors".

2) 300 V AC is the maximum rated voltage allowed for Y2 capacitors according to IEC 60384-14 3rd edition. This series has been also tested with 440 V AC X1 ratings.