Product Selection

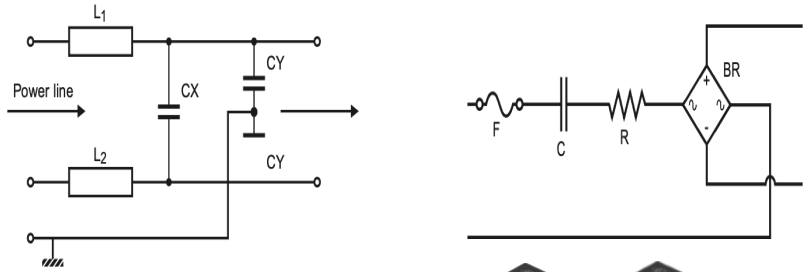
Overview

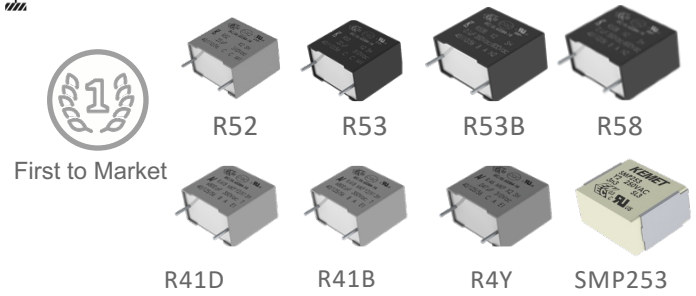
Metallized Polypropylene Film and Paper

X/Y Suppression capacitors are used in mains-connected applications to minimize the amount of conducted common mode and differential mode electromagnetic interference present in many electrical devices. All products are UL/ENEC/CQC Certified.

Typical Application

- **Across the Main (EMI Noise Filtering)**
  - Line-to-line (X-rated) for differential mode (DM) noise
  - Line-to-ground (Y rated) for common mode (CM) noise
- **In Series with the mains**
  - Capacitive Power Supplies
  - Power Line Communication (PLC)





EMI Suppression Capacitors

	Class & Series	Dielectric Type (1)	VAC	Max C (µF)	Max. Temp. (°C)	AEC-Q200	Harsh (3) Environment	Can be used in Series w/ Main
X2	R46	MKP	310	10	110			
	R46H	MKP	310	15	125			
	R52	MKP	310	22	110	•	• (IIB)	•
	R53	MKP	310	22	110	•	• (IIIB)	•
	R53B	MKP	350	20	125	•	• (IIIB)	•
	F863H	MKP	310	15.0	125	•	• (IIB)	•
X1	R47 V057	MKP	440	2.2	110	•	• (IB)	
	PHE844	MKP	480	2.2	105	•	• (IA)	
	PHE845	MKP	760	1	105		• (IA)	
	R58	MKP	600	8.2	110		• (IIIB)	
	P278	MP	440	0.15	110			
Y2	R41 (2)	MKP	300	1	110	•		
	R41T (2)	MKP	300	1	125	•	• (IIIB)	
	R41B (2)	MKP	350	1.2	125	•	• (IIIB)	
	R41P	MKP	300	2.2	125	•	• (IIB)	
	R41D	MKP	300	0.22	125	•	• (IIIB)	
	SMP253	MP	250	0.0047	100			
	PME271Y	MP	300	0.15	115			
Y1	P295	MP	500	0.0047	115	•		
	R4Y	MKP	500	0.033	125	•	• (IIB)	
	PME295	MP	440/480	0.0047	115			