

## AC Line EMI Capacitors (X and Y Capacitors)

### Benefits & Advantages

- X2 capacitors to 10 $\mu$ F, Y2 to 1 $\mu$ F
- Safe failure mode
- Models up to 125°C
- Models for every industrial voltage
- Easy-To-Buy-From Philosophy
- Stable temperature characteristics
- Pb free/RoHS compliant
- Halogen free on request
- Polypropylene caps for 400/440Hz

### KEMET Products

COMMON X CAPACITORS								
VAC	Series	Class	Max. Temp °C	C-Value Range		Dielectric	Self Healing?	Comments
				Min. $\mu$ F	Max. $\mu$ F			
275	PME271M	X2	110	0.001	0.6	Impreg. Paper	Yes	Best performance & safety.
275 & 277	R46 PHE840M	X2	110 & 125 105	0.01	10	Polypropylene	Yes	Small size, cost effective, full agencies approval
300	PME217E	X1	110	0.01	0.22	Impreg. Paper	Yes	Best performance & safety.
300	R46(300V) PHE840E	X2	110 105	0.01	10	Polypropylene	Yes	Small size, cost effective, full agencies approval
330	PHE841 R49	X1	100 110	0.01 0.047	2.2 6.8	Polypropylene	Yes	Small size, cost effective, full agencies approval
440	PME278	X1	110	0.001	0.15	Impreg. Paper	Yes	Best performance & safety.
440/480	PHE844 R47	X1	105 110	0.1 0.0047	2.2	Polypropylene	Yes	Small size, cost effective, full agencies approval
660	PME264	X2	85	0.001	0.1	Impreg. Paper	Yes	Best performance & safety.
760	PHE845	X1	105	0.01	1.0	Polypropylene	Yes	<b>Unique Offering:</b> Small size, cost effective, full agencies approval
COMMON Y CAPACITORS								
VAC	Series	Class	Max. Temp °C	C-Value Range		Dielectric	Self Healing?	Comments
				Min.	Max.			
250	PME271M	Y2	100	0.001 $\mu$ F	0.1 $\mu$ F	Impreg. Paper	Yes	Excellent flame resistance & high self healing voltage.
250	SMP253	Y2	100	0.001 $\mu$ F	4700pF	Impreg. Paper	Yes	<b>SMD.</b> Excellent flame resistance & high self healing voltage.
250	ERO610	Y2	125	0.001 $\mu$ F	0.012 $\mu$ F	Ceramic Disk	No	Cost effective, meets agency flammability requirements. Will bend during IEC push test.
300	PME271YA-E	Y2	115	0.001 $\mu$ F	0.15 $\mu$ F	Impreg. Paper	Yes	Excellent flame resistance & high self healing voltage.
300/480	PHE850 R41	Y2	110	0.001 $\mu$ F	1.0 $\mu$ F	Polypropylene	Yes	Cost effective, meets agency flammability req. PHE850 rated 480V in N. America.
300	ERK610	Y2	125	33pF	4700pF	Ceramic Disk	No	Cost effective, meets agency flammability requirements. Will bend during IEC push test.
440/480	PME295	Y1	115	470pF	4700pF	Impreg. Paper	Yes	Excellent flame resistance & high self healing voltage.
500	ERP610	Y1	125	33pF	4700pF	Ceramic Disk	No	Cost effective, meets agency flammability requirements. Will bend during IEC push test.

Listings in **blue** are most commonly used - offered in the most widely required voltages & with the most competitive prices.

