

Overview

X/Y capacitors are used in mains-connected applications to minimize the amount of conducted EMI common in many electrical devices. Their self-healing characteristics of film and paper as well as the high dV/dt capabilities, make them an excellent choice to reduce conducted emissions.

Electrical Characteristics

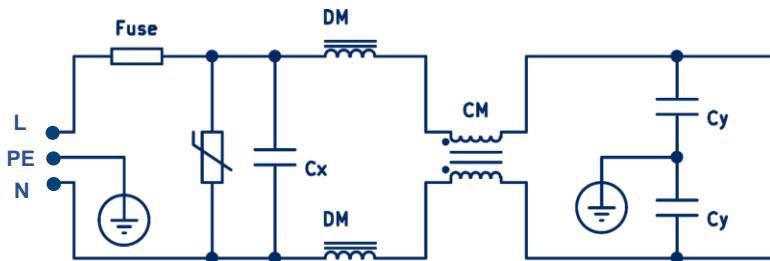
- Voltage Range: 275 – 760 Vac
- 470 pF to 10 μ F
- UL, cUL, ENEC, and CQC Certified

Product Highlights

- New R41T Series Y2/X1 125°C, Automotive
- AEC-Q200 and Harsh Environments
- According to IEC-60384-14 THB Grade IIIB: 85°C, 85% RH, 1,000 hours at 300 VAC
- 300 VAC / 1,500 VDC

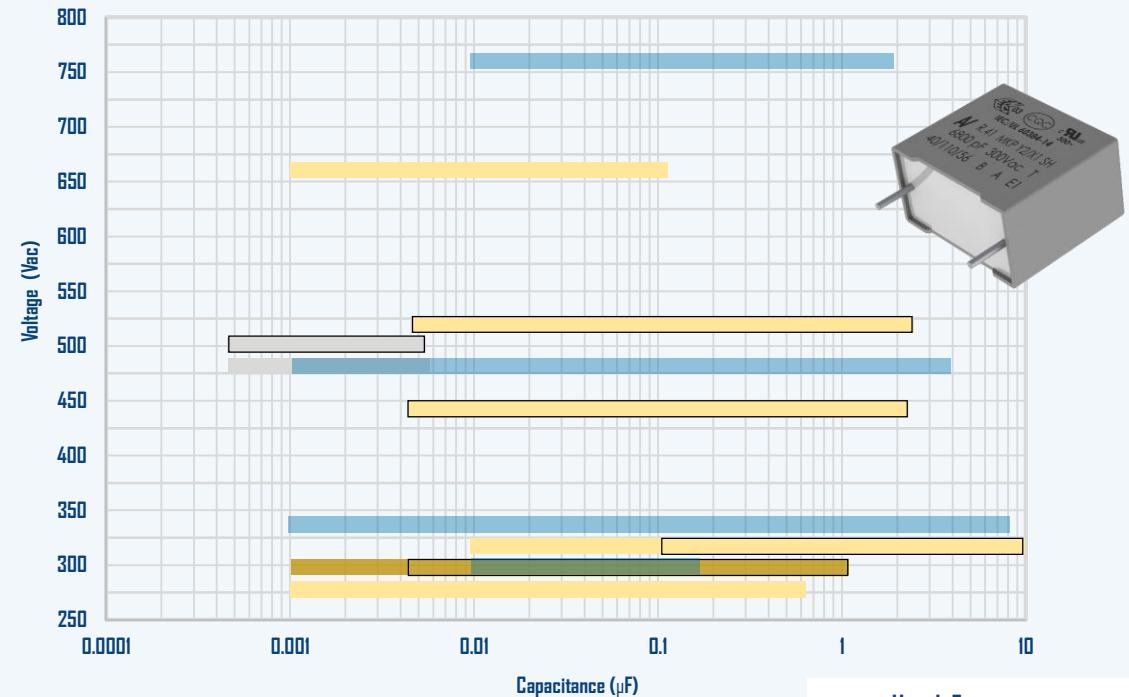
Typical Applications

- Line-to-line (X rated) differential mode (DM) current filtering.
- Line-to-ground (Y rated) common mode (CM) current filtering.
- Capacitive power supplies.
- Power Line Communication (PLC).



Product Selection

- X1
- X2
- Y1
- Y2
- AEC-Q200



Series Options

X1

R47	440 VAC, 110°C
R49	330 VAC, 110°C
PHE844	480 VAC, 105°C
PHE845	760 VAC, 105°C
F871	330 VAC, 110°C
F872	480 VAC, 110°C
F873	760 VAC, 110°C
P278	480 VAC, 110°C
PME271E	300 VAC, 110°C

X2

R46	310 VAC, 125°C
R47	520 VAC, 110°C
F861	310 VAC, 110°C
F862	310 VAC, 110°C
F863	310 VAC, 110°C
PME264	660 VAC, 85°C
PME271M	275 VAC, 110°C

Y1

P295	500 VAC, 115°C
PME295	480 VAC, 115°C

Y2

R41T	300 VAC, 125°C
R41	300 VAC, 110°C
PME271Y	300 VAC, 115°C
F881	300 VAC, 110°C

Harsh Environments
According to IEC-
60384-14
THB Grade III

