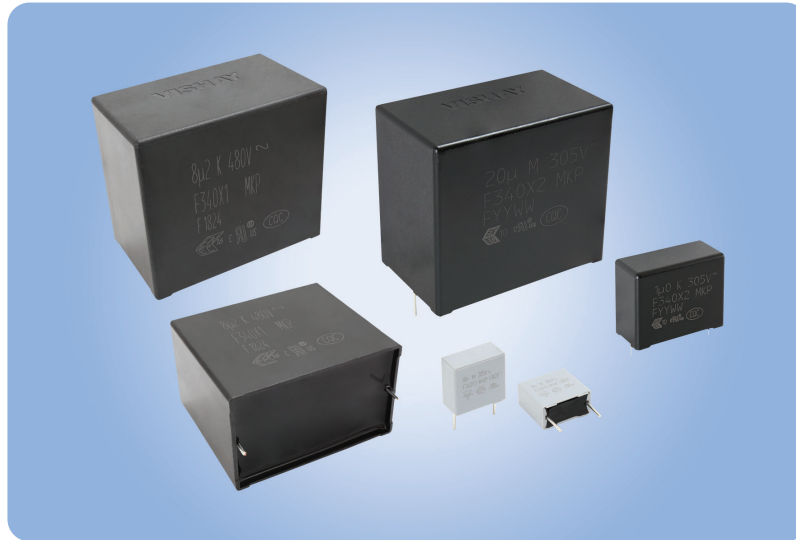


THB Grade IIIB Interference Suppression Film Capacitors



KEY BENEFITS

- X1, X2, and Y2 EMI suppression film capacitors, compliant with IEC 60384-14 ED. 4.0 2016/AMD1 Grade IIIB
 - High robustness under high humidity. Test condition: test damp heat, steady state; 85 °C / 85 % RH duration 1000 h, rated voltage applied

APPLICATIONS

- Outdoor applications
- Automotive battery chargers
- Renewable energy inverters
- Motor drives
- UPS

RESOURCES

- Datasheet: F340X2 305VAC - www.vishay.com/ppg?26074
F340X1 480VAC - www.vishay.com/ppg?26073
F340Y2 305VAC (AEC-Q200 qualified) - www.vishay.com/ppg?26066
- For technical questions contact rfi@vishay.com
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS
COMPLIANT



FILM CAPACITORS

F340 Series

To comply with the new humidity grading system defined under IEC 60384-14: ED. 4.0 2016/AMD1, the Vishay F340 series withstands temperature humidity biased (THB) Grade IIIB testing at 85 °C, 85 % RH for 1000 hours at rated voltage with high stability on capacitance, insulation resistance, and dissipation factors. This translates into longer service life under the harshest application conditions for power electronics applications such as automotive battery chargers, renewable energy inverters, motor drives, and UPS.



X2 Class 305 V_{AC}



Y2 Class 305 V_{AC}

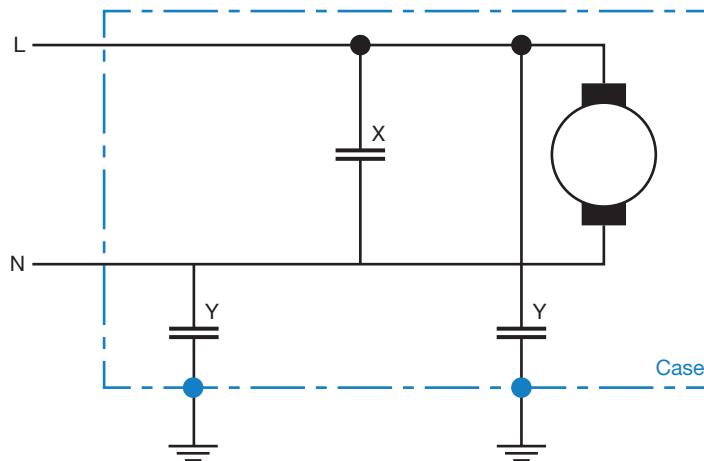


X1 Class 480 V_{AC}

FEATURES

- IEC 60384-14: 2013 / AMD1: 2016 grade IIIB:
 - 85 °C, 85 % RH, 1000 h at U_{RAC}
- F340 Y2 305 V_{AC} AEC-Q200 qualified
- F340X1 480 V_{AC} with maximum permissible AC voltage up to 530 V

EMI FILTERING APPLICATIONS



PITCH (mm)	C (μF)																																			
	0.0010	0.0047	0.010	0.033	0.047	0.072	0.10	0.22	0.27	0.39	0.47	0.56	0.68	0.82	1.0	1.2	1.5	1.8	2.2	2.7	3.3	3.9	4.7	5.6	6.8	8.2	10	12	15	18	20					
F340X2 305 V _{AC}	27.5																																			
	37.5																																			
	52.5																																			
F340X1 480 V _{AC}	27.5																																			
	37.5																																			
	52.5																																			
F340Y2 305 V _{AC}	15.0																																			
	22.5																																			
	27.5																																			
	37.5																																			