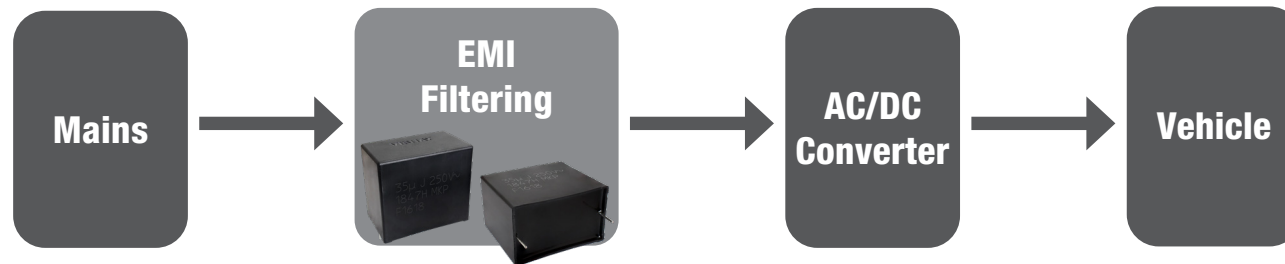
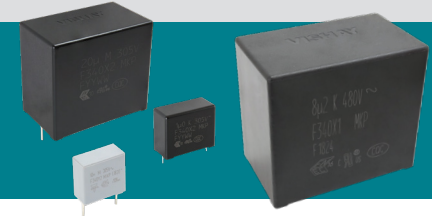




THE VISHAY ADVANTAGE AND WHY IT MATTERS...

THB GRADE III RFI FILM CAPACITORS - F340 SERIES

EV / HEV Off-Board Battery Chargers



F340 Series	THB GRADE IIIB 85 °C / 85 % RH 1000 h at UNAC RFI suppression film capacitors
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Product Family	Advantage	Why it Matters (Benefit to the Engineer)	Where Should it Be Considered?	Best Parameter / Example
F340 X1 480VAC , F340 X2 305VAC , F340 Y2 305VAC	Approved with latest IEC 60384-14 ED. 4.0 2016/AMD1 to comply with Grade IIIB High Robustness under High Humidity	Extremely stable capacitance and dissipation factor over their lifetime under severe environmental conditions of heat and humidity; and compliance with the most demanding industry standards	Should be designed in the EMI filtering stage, on the DC bus between biased parts and ground	Complete RFI suppression range is certified to withstand Grade (III) Test Condition B (85 °C / 85 % RH 1000 h at UNAC), validated by official and independent certification agencies

Other Customer Benefits	How Is This Achieved?	Comments
F340 X1 480VAC offers maximum permissible AC voltage up to 530 V _{AC}	Being designed for line voltages up to 480 V _{AC} , the F340X1 is also endurance-tested to withstand 530 V _{AC} continuously. This is achieved by using an internal series construction, which enhances capacitance stability, even at higher voltages	The US configuration 480Y / 277 has a line to line voltage of 480 V _{AC} and allows a variation of +10 % over this value almost continuously. The F340X1 withstands this worst-case condition
F340 Y2 305VAC is qualified for automotive use	The F340Y2 is qualified in accordance with AEC-Q200, enabling its usage in automotive applications with harsh ambient conditions, such as EV / HEV	Applicable to EV / HEV on-board chargers and on the DC bus, it has common mode noise filters