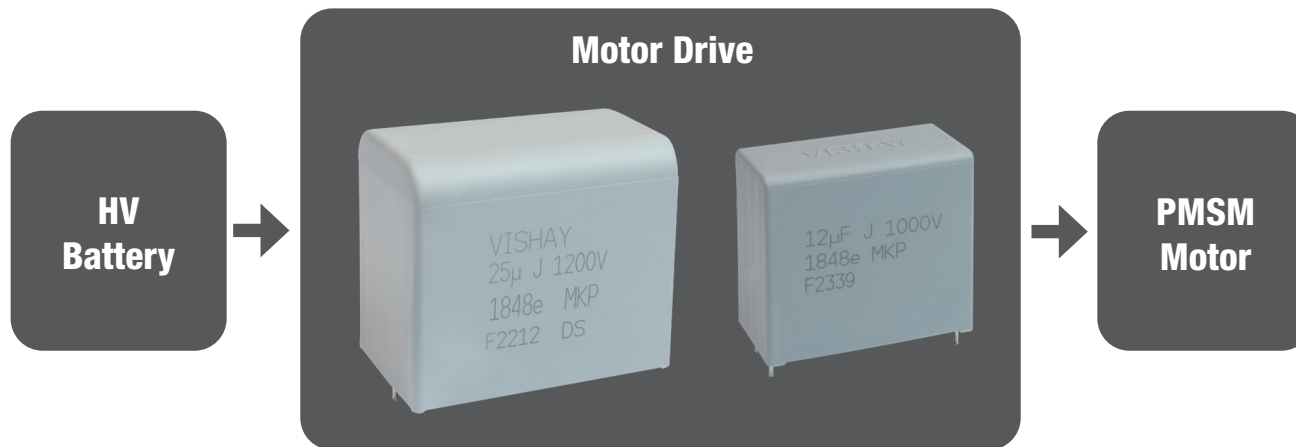
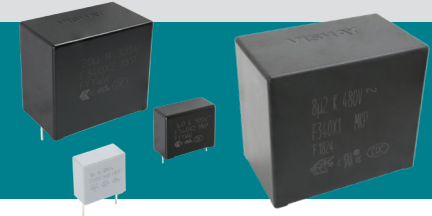




THE VISHAY ADVANTAGE AND WHY IT MATTERS...

High Temperature Metallized Polypropylene DC-Link – MKP1848E

HVAC e-Compressor



Product Family	Advantage	Why it Matters (Benefit to the Engineer)	Where Should it Be Considered?	Best Parameter / Example
MKP1848e	Operating temperature up to 125 °C	Expands the typical metallized polypropylene dielectric capacitors to 125 °C, enabling harsher mission profiles in end applications	As a DC-Link capacitor for high temperature applications	The MKP1848e supports operation at 125 °C from 250 V _{DC} up to 800 V _{DC}

Other Customer Benefits	How Is This Achieved?	Comments
Vishay Automotive Grade	The MKP1848e is qualified in accordance with AEC-Q200. Additional thermal shock and endurance testing at 125 °C pushes the series performance beyond the AEC-Q200 standard	Suitable for any power conversion application as a DC-Link capacitor
High Robustness Under High Humidity	The MKP1848e is compliant with Grade III THB performance, as described in 60384-16 ed. 3 - annex A, ensuring high performance stability, even in the harshest environments	Withstands 60 °C / 93 % R.H. for 1344 hours while biased at rated voltage