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THE VISHAY ADVANTAGE AND WHY IT MATTERS... HIGH ROBUSTNESS UNDER HIGH HUMIDITY DC-LINK – MKP1848H

EV / HEV On-Board Charger



MKP1848H THB DC-Link Film Capacitor: 85 °C / 85 % RH 1000 h at U_{NDC}

Product Family	Advantage	Why it Matters (Benefit to the Engineer)	Where Should it Be Considered?	Best Parameter / Example
MKP1848H	THB DC-Link film capacitor ensuring high robustness under high humidity	Extremely stable capacitance and equivalent series resistance over lifetime, even under harsh environment conditions	As DC-Link on AC/DC converter and DC/DC converter output DC-filter	The MKP1848H withstands 85 °C and 85 % relative humidity (RH) for 1000 h at U_{NDC} while ensuring a capacitance deviation not higher than 10 % and keeping stable ESR and insulation resistance

Other Customer Benefits	How Is This Achieved?	Comments
The MKP1848H series are qualified for automotive use	The MKP1848H is qualified in accordance with AEC-Q200 and ensures performance that goes beyond the requirements of this standard, being a Vishay Automotive Grade part	Applicable on EV / HEV power converters, from OBC to DC/DC converters and compressors, whenever high robustness under high humidity is a must
The MKP1848H capacitors are Vishay Green	The MKP1848H series is RoHS-compliant without exceptions, and halogen-free	Compliant with the most stringent substance control systems