



CAPABILITIES AND CUSTOM OPTIONS

DC-LINK FILM CAPACITORS

Application	Advantage
DC-Link	<ul style="list-style-type: none"> • Lowest ESR • High energy density (high ripple current)
Automotive DC Filter	<ul style="list-style-type: none"> • AEC-Q200 qualified • Stable capacitance and ESR from -40 °C to +105 °C.



CUSTOM OPTIONS

Terminal Options	Mechanical Dimensions	Automotive Powertrain DC-Link
<ul style="list-style-type: none"> • Tab terminals • Busbar 	<ul style="list-style-type: none"> • Customization on demand 	<ul style="list-style-type: none"> • MKP1849 on request

SPECIALTY DEVICES

Design Issue	Solution	Application	Series
Automotive grade required	AEC-Q200 qualification	On-board chargers, DC/DC converters	MKP1848
Height restrictions	Slim low profile capacitor	Micro-inverters, compact power supplies, wireless chargers	MKP1848S
Area restrictions	Compact DC-Link with higher capacitance density	Renewable energy inverters, UPS, power supplies, welding	MKP1848C
High temperature	Low voltage DC-Link with high temperature capabilities up to 150 °C	Automotive 48 V board net applications	MKT1820
High robustness under high humidity	THB DC-Link: 85 °C / 85 % relative humidity / 1000 h at rated voltage	Outdoor applications such as PV inverters	MKP1848H (SOP Q22017)