



Full Electric Vehicles (FEVs) HVAC - (P)HEV and EV



FILM CAPACITORS

Metallized Polypropylene DC-Link Film Capacitors, 450 VDC to 1000 VDC



- Slim line, low building height
- Very long useful life time: Up to 100 000 h at UNDC and 70 °C

[MKP1848S](#)

POWER RECTIFIERS

15 A, 1200 V FRED Pt® Hyperfast Rectifiers



- AEC-Q101 qualified, hyperfast and soft recovery time with reduced Qrr in TO-220AC package
- 175 °C maximum operating temperature

[VS-15ETU12HN3](#)

INDUCTORS

High Current Through-Hole Inductors, Edge-Wound Series



- High temperature continuous operation, up to 180 °C with no aging
- Low DCR to minimize losses and reduce temperature rise

[IHDM-1008BC-3A](#)

RESISTORS

High Pulse Load Carbon Film MELF Resistors, Pulse Handling Up to 3 kW, ESD Up to 16 kV



- 1.0W rated dissipation in MELF 0207 package
- Resistance from 2.2 & 1.5 MΩ
- 500/ DC/ AC RMS operation. 1 W power

[CMB 0207](#)

RESISTORS

SMD Power Resistors, 35 W, 10 mΩ 550 K&Non-Inductive



- TO-263 package, TCR = 150 ppm/K
- AEC-Q200 qualified

[D2TO35](#)

RESISTORS

Power Resistor Thick Film Technology



- High power 100 W at 25°C on heatsink, tolerance down to 1 %
- High power 50 W at 25°C on heatsink, tolerance down to 1 %
- Pre-discharge, snubber, breaking

[LTO 100](#)

RESISTORS

Surface-Mount Molded Dividers, High Voltage



- Voltage up to 1415 V
- Maximum resistance ratio of 700:1

[CDMV](#)

OPTOELECTRONICS

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Phototransistor Optocouplers, SOP-4 Package, 5 mA Forward Current



- AEC-Q101 qualified
- High CTR with low input current

[VOMA617A](#)

THERMISTORS

PTC Thermistors, Inrush Current Limiter and Energy Load-Dump



- High energy absorption levels up to 240 J, self-protecting
- High direct voltage up to 1000 VDC at increased ambient temperature up to 105 °C

[PTCEL](#)

MAGNETICS

High Voltage Common Mode Choke, Surface-Mount



- Low SMD profile design compatible to automated assembly
- High heat rating current to 31 A and saturation current to 35 A

[IHCM-2321](#)

POWER RECTIFIERS

30 A FRED Pt® Hyperfast Rectifiers



- Hyper fast and soft recovery time
- Low forward voltage drop

[VS-ETX3007THN3](#)

FILM CAPACITORS

Interference Suppression Film Capacitors, MKP Radial Potted Type



- RFI X2 capacitor for standard across-the- line applications
- Automotive grade, AEC-Q200 compliant

[MKP339](#)

RESISTORS

Power Metal Strip® Resistors,
Very High Power (to 15 W), Low
Value (down to 0.0001 &)Sur-
face-Mount



- All welded construction of the Power Metal Strip® resistors are ideal for all types of current sensing, voltage division and pulse applications

[WSLP3921](#)

FILM CAPACITORS

THB AC and Pulse Metallized
Polypropylene Film Capacitors,
High Temperature



- High Temperature operation up to 125 °C
- THB 60 °C 93 % RH for 56 days at rated voltage
- Resonant capacitor, customization on request

[MKP385e](#)

THERMISTORS

NTC Thermistors, Standard Lug
Sensors



- Easy mounting using ring tongue terminal
- Rugged construction

[NTCALUG01A](#)