



Exterior Lighting LED Fog Lighting



RESISTORS

Pulse Proof, High Power Thick Film Chip Resistors



- Excellent pulse load capability
- Enhanced power rating, double-side printed resistor element
- High power thick film chip resistors is the perfect choice for power measurement

[CRCW-HP e3](#)

SMALL SIGNAL DIODES

2 A, 40 V Schottky Diodes



- Low-profile DO-220AA (SMP) package for low-voltage, high-frequency DC/DC converters; switching power supplies; freewheeling diodes; and polarity protection

[SS2P4](#)

POWER RECTIFIERS

45 V, 3 A Trench Schottky Diodes, Ultra-Low VF



- Low-profile DO-221BC (SMPA) package for low-voltage, high-frequency DC/DC converters; switching power supplies; freewheeling diodes; and polarity protection

[V3PAL45](#)

RESISTORS

Professional Thin Film MELF Resistors



- Unrivaled surge handling capability, ultimate stability over lifetime
- AEC-Q200 qualified, approved according to EN 140401-803, intrinsically sulfur-resistant, Green product

[MMB 0207](#)

RESISTORS

Thick Film Surface Mount Chip Resistors, Wraparound, Extremely Low Value



- Low resistance values from 0.01 to 0.976 and tolerance of 1 %
- Thick film construction with 2x power capacity

[RCWE](#)

TVS PROTECTION DIODES

Surface-Mount PAR® TVS Diodes, 600 W, 6.8 V to 51 V, Low Profile (1 mm)



- Very low-profile DO-221AC (SlimSMA™) package - typical height of 0.95 mm
- $T_j = 185^\circ\text{C}$

[TA6Fxx](#)

THERMISTORS

SMD Glass-Protected NTC Thermistors



- TCR ranging from $-7\text{ \%}/\text{K}$ at -40°C to $-2\text{ \%}/\text{K}$ at 150°C
- Tolerance on R_{25} down to 1 %, and on $B_{25/85}$ down to 1 %
- Suitable for wave or reflow soldering

[NTCS...e3](#)

CERAMIC CAPACITORS

AEC-Q200 Qualified, Broad Range of Sizes and Working Voltages, C0G (NPO), X7R, and X8R



- RoHS and Green compliant parts available
- AgPd termination available for epoxy bonding

[GA...31G Automotive MLCCs](#)

INDUCTORS

Low-Profile, High-Current IHLP® Inductors



- Compact size and high current, low saturation for noise filtering
- Up to 155°C continuous operation

[IHLP-2020CZ-5A](#)

MOSFETS

N-Channel MOSFETs in 3 mm x 3 mm Dual PowerPAK®, Rated at 40 V, 6 A, 25 m Ω



- TrenchFET® power MOSFET
- AEC-Q101 qualified

[SQS944ENW](#)

RESISTORS

Professional, Wide Terminal, Thin Film Chip Resistors



- Rated dissipation P85 up to 1 W
- Superior temperature cycling robustness

[MCW-AT](#)

POWER RECTIFIERS

Surface-Mount TMBS® (Trench MOS Barrier Schottky) Rectifiers



- Very low profile - typical height of 0.65 mm
- Trench MOS Schottky technology optimized in low voltage drop
- Latest MicroSMP package, low leakage

[V1PL45](#)

INDUCTORS

Low Profile, High Current Coupled
Inductors



- High-temperature operation up to 155 °C
- Frequency range up to 5.0 MHz

[IHCL-4040DZ-5A](#)

MOSFETs

P-Channel MOSFETs in 3 mm x 3 mm PowerPAK®, Rated at -60 V, -16 A, 65 m&



- AEC-Q101 qualified, 100 % UIS and RG tested with up to 175 °C operation
- High power density PowerPAK® 1212 with wet-table flanks for AOI

[SQ7415CENW](#)

MOSFETs

N-Channel MOSFETs in 3 mm x 3 mm Dual PowerPAK®, Rated at 60 V, 6 A per leg, 36 m&



- TrenchFET® power MOSFET
- AEC-Q101 qualified

[SQS966ENW](#)