Trench MOS Barrier Schottky Rectifier

Reverse Voltage - 100 V

Forward Current - 10 A

FEATURES

- Advanced trench technology
- Low forward voltage drop
- Low power losses
- High efficiency operation
- Lead free in comply with EU RoHS 2011/65/EU directives

MECHANICAL DATA

- Case: DO-201AD/DO-27
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.98g / 0.0345oz

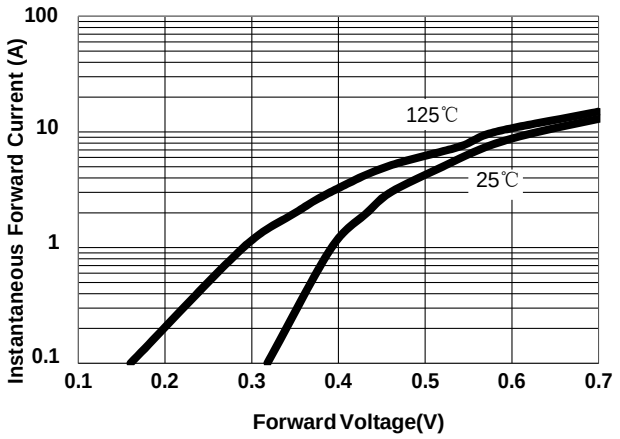
Maximum Ratings (Per Leg) at Ta=25°C unless otherwise specified

Parameter		Symbols	Value	Units
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	100	V
Maximum RMS voltage		V_{RMS}	100	V
Maximum DC Blocking Voltage		V_{DC}	100	V
Maximum Average Forward Rectified Current	Per diode	$I_{F(AV)}$	10	A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave superimposed on rated load per diode		I_{FSM}	200	A
Operating Temperature Range		T_J	-40 ~ +150	°C
Storage Temperature Range		T_{STG}	-40 ~ +150	°C

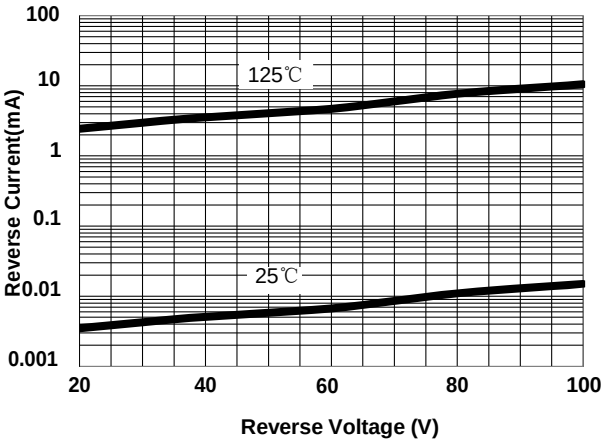
Typical Thermal Resistance Per diode(munted on

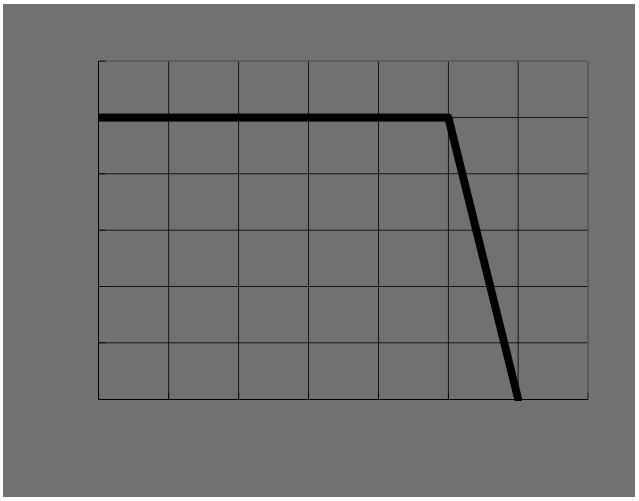
RATINGS AND CHARACTERISTIC CURVES

Typical Forward Voltage Characteristics



Typical Reverse Leakage Characteristics







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