

Excellent Schottky Rectifier

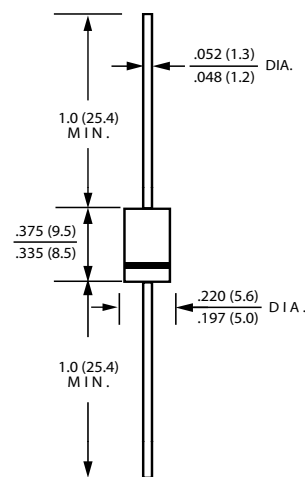
REVERSE VOLTAGE - 60 Volts
FORWARD CURRENT - 5.0 Amperes

FEATURES

- Low power loss, high efficiency
- Low forward voltage drop
- High forward surge capability
- High frequency operation
- Excellent high temperature stability
- Excellent Schottky technology

MECHANICAL DATA

- Case: DO-201AD
- Polarity: Cathode Band
- Weight: Approximated 1.071 grams



DO-201AD

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load. derate current by 20%

Characteristics	Symbol	Value		Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	60		V
RMS Reverse Voltage	V_{RMS}	42		V
Forward Voltage Drop $I_F=2A$ ($T_J=25^\circ C$)	V_F	Typ. 0.36	Max. -	V
$I_F=5 A$ ($T_J=25^\circ C$)		-	0.50	
Maximum Reverse Current at Rated V_{RRM} $T_J=25^\circ C$ $T_J=100^\circ C$	I_R	0.5 15		mA
Maximum Average Forward Rectified Current Total device	I_F	5		A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	100		A
Peak Repetitive Reverse Current at $t_p=2 \mu s$, 1 kHz,	I_{RRM}	1.0		A
Operating and Storage Temperature Range	T_J, T_{STG}	-55 to +150		°C

Rating and Characteristic Curves

FIG. 1-Typical Forward Current Derating Curve

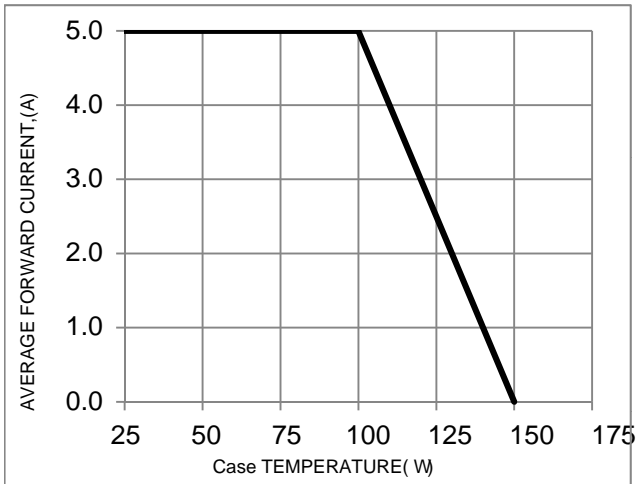


FIG. 2-Typical Forward Characteristics

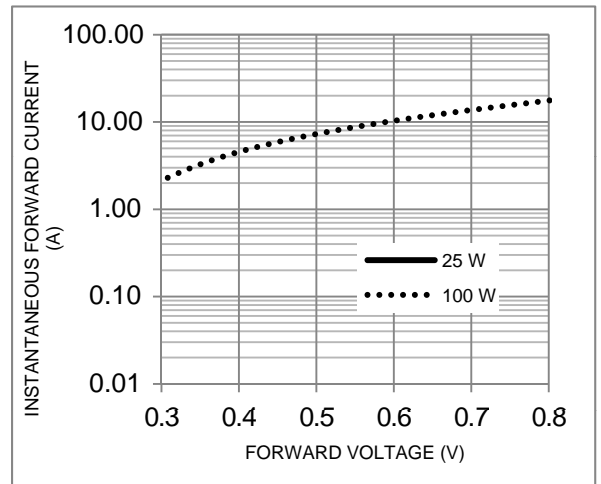


FIG. 3-Maximum Non-Repetitive Forward Surge

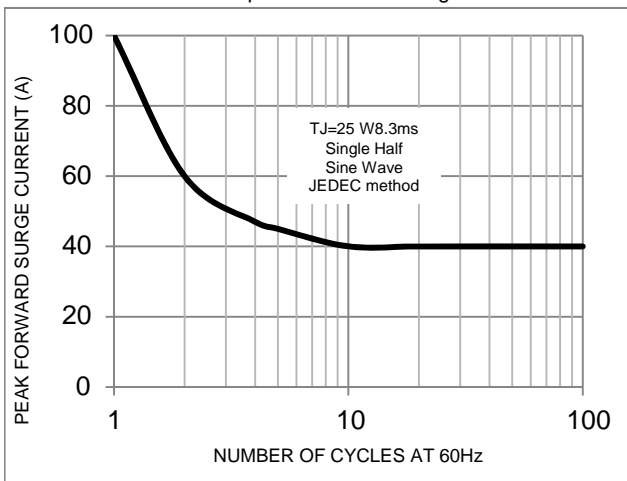


FIG. 4 TYPICAL REVERSE CHARACTERISTICS PER LEG

