

Excellent Schottky Rectifier	REVERSE VOLTAGE - 40 Volts FORWARD CURRENT - 2.0 Amperes
<p>FEATURES</p> <ul style="list-style-type: none"> • Low power loss, high efficiency • Low forward voltage drop • High forward surge capability • High frequency operation • Excellent high temperature stability • Excellent Schottky technology <p>MECHANICAL DATA</p> <ul style="list-style-type: none"> • Case: DO-15 • Polarity: Cathode Band • Weight: Approximated 0.336 grams 	<p>DO-15</p> <p>Dimensions in inches and (millimeters)</p>

<p>MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS</p> <p>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%</p>
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Characteristics	Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	40	V
RMS Reverse Voltage	V_{RMS}	28	V
Forward Voltage Drop	V_F	Max.	V
I_C @ f		0.42	
Maximum Reverse Current at Rated V_{RRM} $T_J=25^\circ C$ $T_J=100^\circ C$	I_R	0.5 25	mA
Maximum Average Forward Rectified Current Total device	I_F	2	A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	30	A
Operating and Storage Temperature Range	T_J, T_{STG}	30	°C
Operating and Storage Temperature Range	T_J, T_{STG}	-65 to +150	°C

Rating and Characteristic Curves