

SB2100L

Excellent Schottky Rectifier

REVERSE VOLTAGE - 100 Volts FORWARD CURRENT - 2.0 Amperes

FEATURES

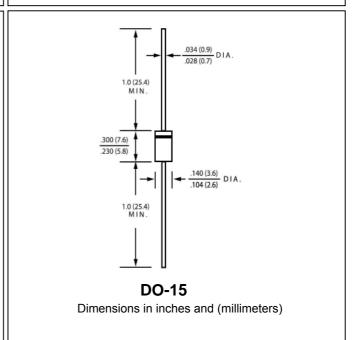
- · Low power loss, high efficiency
- Low forward voltage drop
- High forward surge capability
- High frequency operation
- · Excellent high temperature stability
- · Excellent Schottky technology

MECHANICAL DATA

Case: DO-15

Polarity: Cathode Band

Weight: Approximated 0.336 grams



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}	100	V
RMS Reverse Voltage	V_{RMS}	70	V
Forward Voltage Drop		Max.	
@1F=2A, TC=25°C	V _F	0.55	V
Maximum Reverse Current at Rated V _{RRM}		0.2	
T _J =25°C	I _R	10	mA
T _J =100°C Maximum Average Forward Rectified Current			
Total device	I _F	2	А
Peak Forward Surge Current,			
8.3 ms Single Half Sine-wave	I _{FSM}	50	Α
Superimposed on Rated Load (JEDEC method)			
MaximumThermalResistance	θ _{JA}	30	°C/W
Operating and StorageTemperature Range	$T_{J,} T_{STG}$	-55 to +150	°C

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Rating and Characteristic Curves

FIG. 1-Typical Forward Current Derating Curve

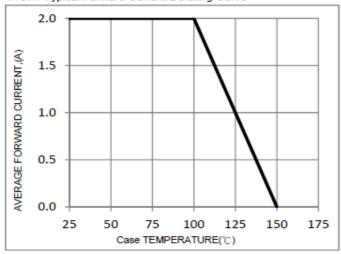


FIG. 2-Typical Forward Characteristics

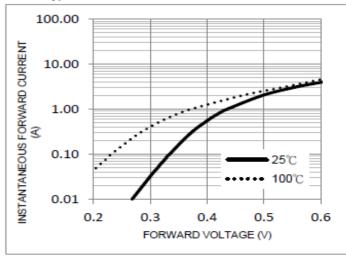


FIG. 3-Maximum Non-Repetitive Forward Surge Current

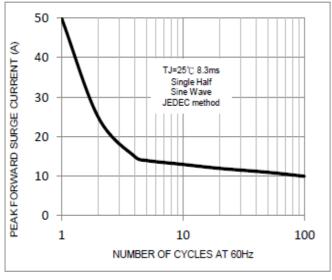


FIG. 4-Typical Reverse Characteristics

