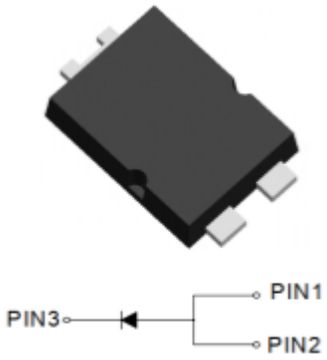
WSR6008U-AT

SCHOTTKY BARRIER RECTIFIER

Features

- 8A Schottky barrier diode
- Schottky barrier rectifier
- Excellent high temperature stability
- Low forward voltage
- High forward surge capability
- High current capability
- AEC-Q101 qualified



Mechanical Data

Case: TO-277 molded plastic package

Maximum Ratings (Ta=25℃ Unless otherwise specified)

Parameter	Symbol	Value	Units
Maximum repetitive peak reverse voltage	V_{RRM}	60	V
Maximum RMS voltage	V_{RMS}	42	V
Maximum DC blocking voltage	V_{DC}	60	V
Maximum average forward rectified current	$I_{F(AV)}$	8	A
Non-repetitive peak forward surge current 8.3 ms single half sine-wave	I_{FSM}	250	A
Maximum instantaneous forward voltage at I_F=8A	V_F	0.53	V
Maximum DC reverse current (Tj= 25℃) at rated DC blocking voltage (Tj=100℃)	I_R	0.5 20	mA
Typical thermal resistance(junction to ambient)	$R_{\theta JC}$	12	℃/W
Operating temperature range	T_J	-55 ~ +150	℃
Storage temperature range	T_{STG}	-55 ~ +150	℃

Typical characteristics (Ta=25°C, unless otherwise noted)

Fig. 1 Forward Current Derating Curve

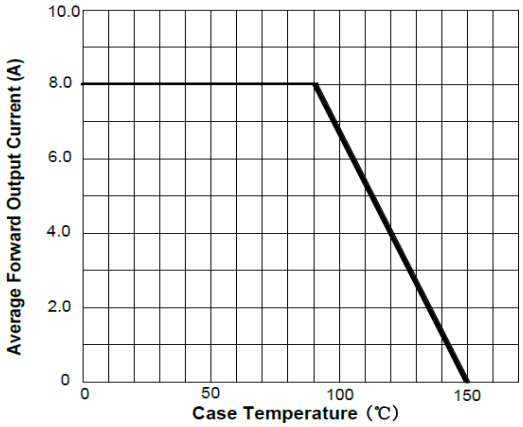


Fig. 2 Typ. Forward Characteristics

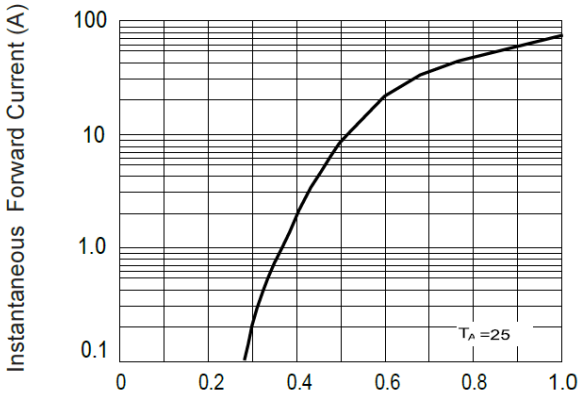


Fig. 3 Max Non-Repetitive Peak Fwd Surge Current

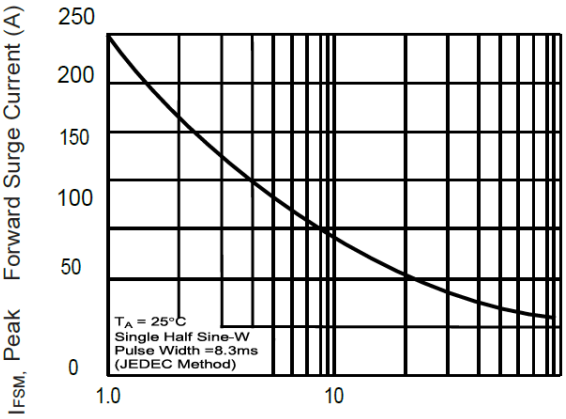
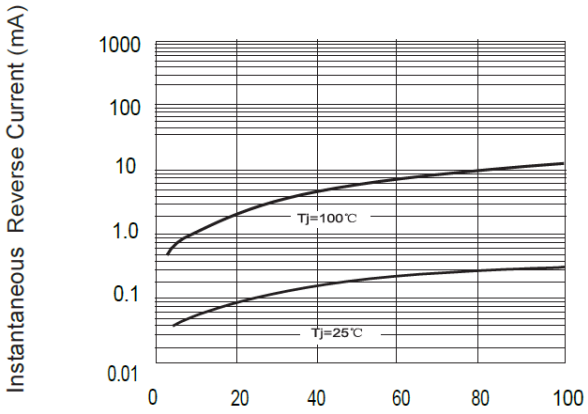
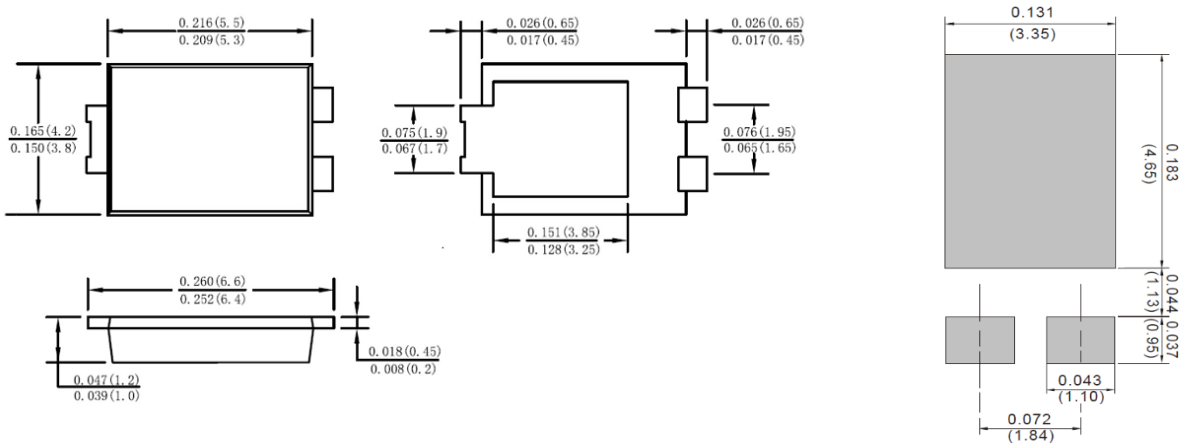


Fig.4 Typical Reverse Chracteristics



Outline Dimensions



Marking Code

Part Number	WSR6008U-AT
Marking Code	SS8U60

Package Information

Tape & Reel: 5000 pcs.

Contact Information

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WAYON website: **http://www.way-on.com**
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Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.