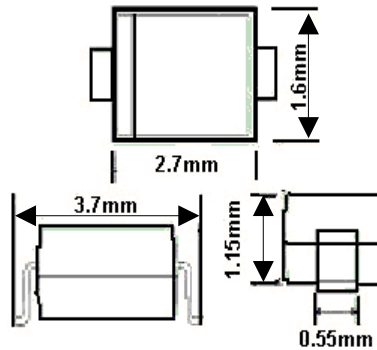


Description

Mechanical Di

SS120~160



SOD-123

Dimensions in mm

Feature

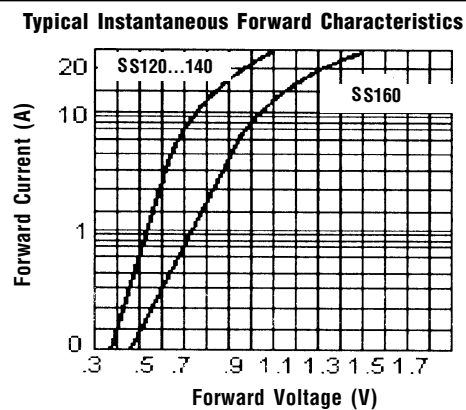
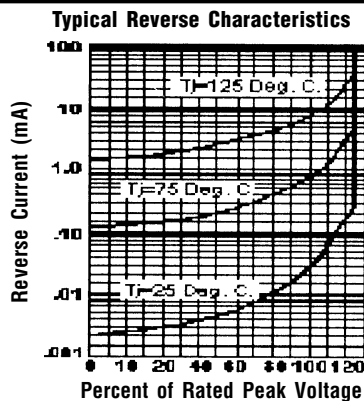
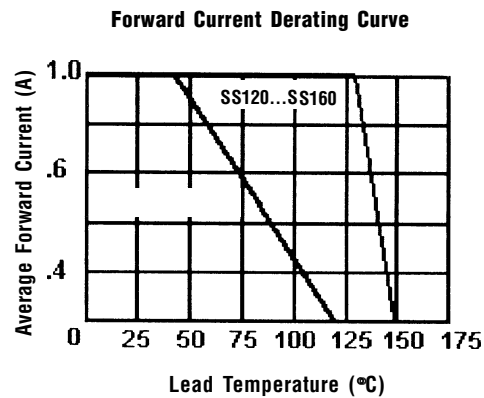
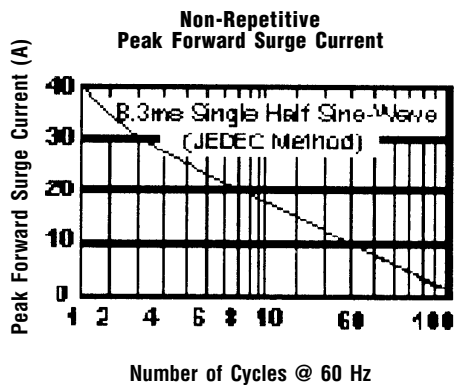
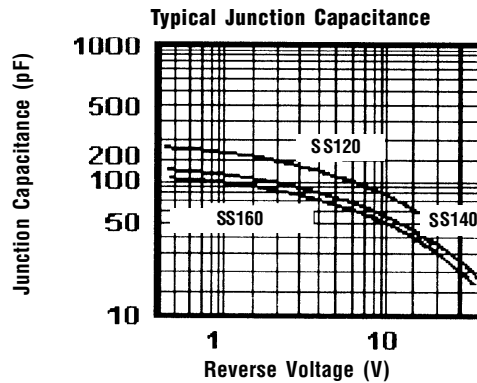
- * **Extremely Low VF**
- * **Low Stored Charge**
- * **Low Power Loss, high Efficiency**
- * **Majority Carrier Conduction**
- * **Meet UL Specification 94V-0**

Max Ratings at Ta=25C Unless Otherwise Specified

Characteristic	Symbol	SS120	SS130	SS140	SS160	Unit
Peak Repetitive Reverse Voltage	Vrrm	20	30	40	60	V
working Peak Reverse Voltage	Vrwm	20	30	40	60	V
DC Blocking Voltage	Vdc	20	30	40	60	V
RMS Reverse Voltage	Vr(rms)	14	21	28	42	V
Average Forward Rectified Current	If	1.0				A
Non-Repetitive Peak Forward Surge Current	Ifrm	30				A
Operating & storage Temp. Range	Tj/Ts	-65~+125				C
Max Forward Voltage	Vf	0.45	0.55	0.55	0.72	V
Reverse Leakage Current@40V Tc=25/100C	Ir	0.5/10				mA
Typical Junction Capacitance	Cj	110	230			pF
Typical Thermal Resistance	Rthja	230				C/W



1.0 Amp SCHOTTKY BARRIER RECTIFIERS



Ratings at
25 Deg. C ambient
temperature
unless otherwise
specified.

Single Phase Half
Wave, 60 Hz
Resistive or
Inductive Load.

For Capacitive
Load, Derate
Current by 20%.

NOTES: 1. Measured @ 1 MHz and applied reverse voltage of 4.0V.
2. Pulse Test: Pulse width = 300 μ S. Duty Cycle = 2%.