

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 20 to 60 Volts CURRENT 1.0 Ampere

FEATURES

- * Low power loss, high efficiency
- * Low leakage
- * Low forward voltage
- * High current capability
- * High speed switching
- * High surge capabitity
- * High reliability

MECHANICAL DATA

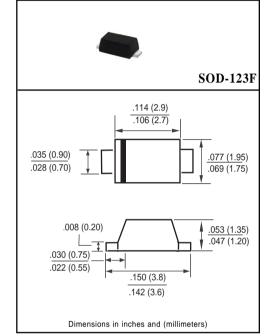
* Epoxy: Device has UL flammability classification 94V-O

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.

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

- * Mounting position: Any
- * Weight: 0.016 gram



MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

For capacitive load, derate current by 20%.

RATINGS	SYMBOL	SS2	SS3	SS4	SS5	SS6	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	20	30	40	50	60	Volts
Maximum RMS Voltage	Vrms	14	21	28	35	42	Volts
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	Volts
Maximum Average Forward Rectified Current .375" (9.5mm) lead length at TA-55°C	ю	1.0					
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	20					
Typical Junction Capacitance (Note1)	CJ	150					
Operating Temperature Range	TJ	-55 to + 150					
Storage Temperature Range	Тѕтс	-55 to + 150					

ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

CHARACTERISTICS		SYMBOL	SS2	SS3	SS4	SS5	SS6	UNITS
Maximum Instantaneous Forward Voltage at 1.0A DC		VF	.55 .70			70	Volts	
Maximum Average Reverse Current	@TA = 25°C	IR	1.0					mAmps
at Rated DC Blocking Voltage	@TA = 100°C	IK	10					mAmps

NOTES: 1. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

2. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

