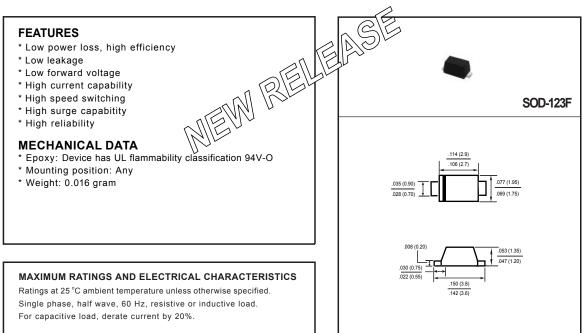




LOW Vf SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 20 to 40 Volts CURRENT 1.0 Ampere



Dimensions in inches and (millimeters)

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

RATINGS	SYMBOL	SSL20	SSL30	SSL40	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	30	40	Volts
Maximum RMS Voltage	V _{RMS}	14	21	28	Volts
Maximum DC Blocking Voltage	V _{DC}	20	40	40	Volts
Maximum Average Forward Rectified Current .375" (9.5mm) lead length at T _A =75 °C	Io	1.0			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	25			Amps
Typical Junction Capacitance (Note1)	CJ	110			pF
Typical Thermal Resistance (Note 3)	R _{0JA}	110			• C/W
	R _{0JL}	30			
Operating Temperature Range	TJ	150			٥C
Storage Temperature Range	T _{STG}	-55 to + 150			۰C

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

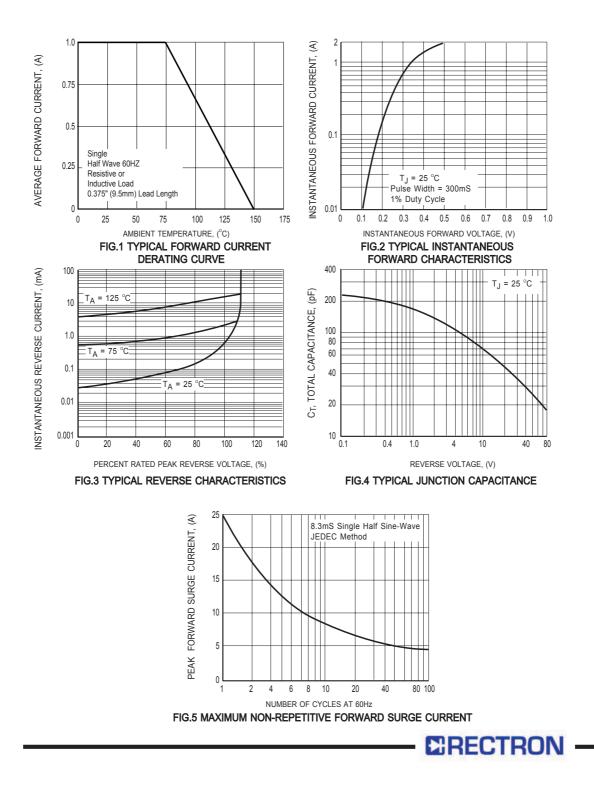
CHARACTERISTICS		SYMBOL	SSL20	SSL30	SSL40	UNITS
Maximum Instantaneous Forward Voltage at 1.0A DC		VF	.36			Volts
Maximum Average Reverse Current	@T _A = 25°C		1.0			mAmps
at Rated DC Blocking Voltage	@T _A = 100°C	- IR		mAmps		
NOTEO						

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

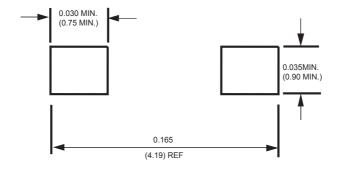
2. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

3. Thermal resistance: Mounted on PCB.

2006-12



Mounting Pad Layout



Dimensions in inches and (millimeters)



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