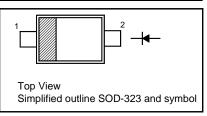
Silicon Epitaxial Planar Schottky Barrier Rectifier

Features

- High reliability
- Low forward voltage
- Low reverse current

PINNING

PIN	DESCRIPTION			
1	Cathode			
2	Anode			



Absolute Maximum Ratings (T_a = 25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Reverse Voltage	V_R	30	V
Average Forward Rectified Current	I _{F(AV)}	1	А
Peak Forward Surge Current (tp = 10 ms)	I _{FSM}	3	А
Junction Temperature	T _j	150	$^{\circ}$ C
Storage Temperature Range	T _{stg}	- 40 to + 150	°C

Characteristics at $T_a = 25$ °C

Parameter	Symbol	Min.	Тур.	Max.	Unit
Reverse Breakdown Voltage at $I_R = 100 \mu A$	$V_{(BR)R}$	30	ı	-	V
Forward Voltage at $I_F = 700 \text{ mA}$ at $I_F = 1 \text{ A}$	V _F	-	-	0.48 0.52	V
Reverse Current at V _R = 10 V	I _R	-	-	20	μA
Total Capacitance at $V_R = 10 \text{ V}$, $f = 1 \text{ MHz}$	Ст	-	30	-	pF

Electrical Characteristic Curves

Fig 1. Reverse Characteristic Curve

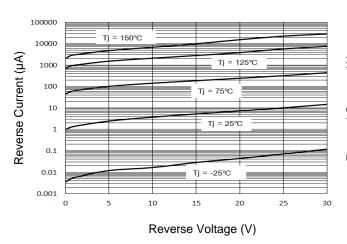


Fig 2. Forward Characteristic Curve

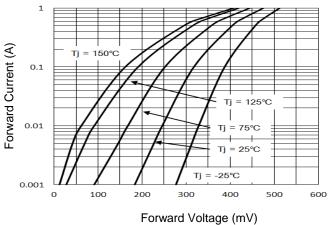


Fig 3. Junction Capacitance

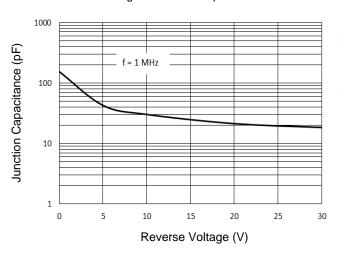
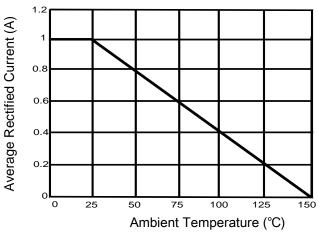


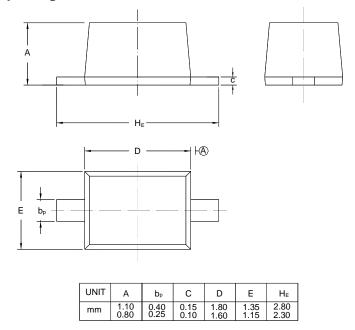
Fig 4. Average Rectified Current Derating Curve



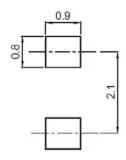
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323



Recommended Soldering Footprint



Packing information

Package Tape Width		Pitch		Reel Size		Per Reel Packing Quantity
Fackage	(mm)	mm	inch	mm	inch	Fel Neel Fackling Qualitity
SOD-323	8	4 ± 0.1	0.157 ± 0.004	178	7	3,000

Marking information

" S " = Part No.

" III " = Cathode line

Font type: Arial



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