

1SS270

Silicon Epitaxial Planar Diode for High Speed Switching

REJ03G0566-0400 Rev.4.00 Sep 29, 2008

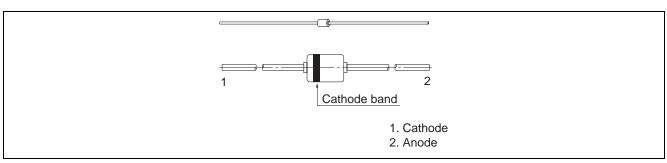
Features

- Low capacitance. (C = 3.0 pF max)
- Short reverse recovery time. ($t_{rr} = 3.5$ ns max)
- Small glass package (MHD) enables easy mounting and high reliability.

Ordering Information

Part No.	Cathode Band	Package Name	Package Code	
1SS270	Light Blue	MHD	GRZZ0002ZC-A	

Pin Arrangement



Absolute Maximum Ratings

			$(Ta = 25^{\circ}C)$
Item	Symbol	Value	Unit
Peak reverse voltage	V _{RM}	35	V
Reverse voltage	V _R	30	V
Average rectified current	lo	150	mA
Peak forward current	I _{FM}	450	mA
Non-Repetitive peak forward surge current	I _{FSM} *	1	А
Power dissipation	Pd	250	mW
Junction temperature	Тј	175	°C
Storage temperature	Tstg	-65 to +175	°C

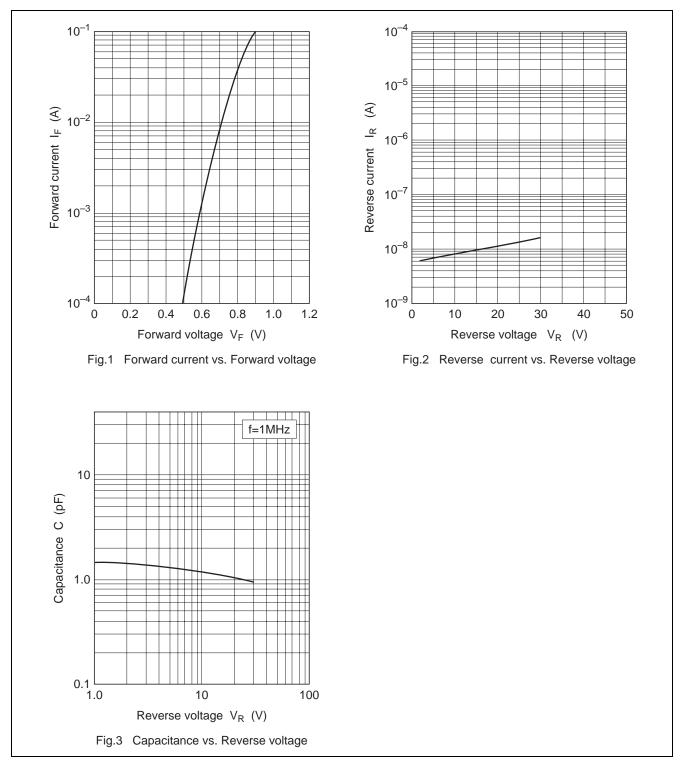
Note: Within 1s forward surge current.

Electrical Characteristics

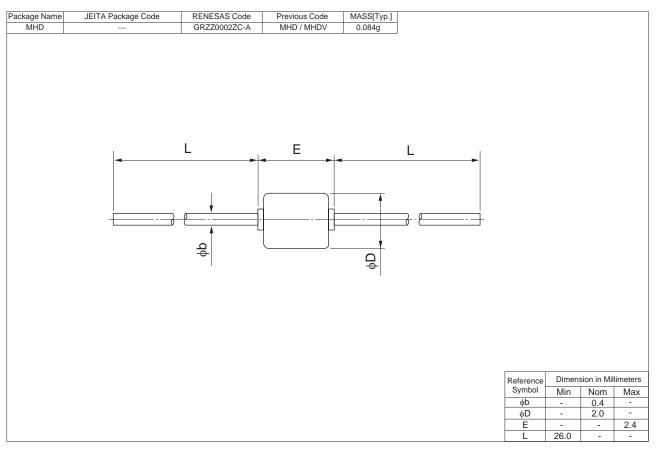
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _F	-	—	0.8	V	I _F = 10 mA
Reverse current	I _R	-	—	1.0	μA	V _R = 30 V
Capacitance	С	-	—	3.0	pF	$V_R = 1 V, f = 1 MHz$
Reverse recovery time	t _{rr}	_	—	3.5	ns	$I_F = 10 \text{ mA}, V_R = 6 \text{V}, \text{R}_L = 50 \Omega$

Main Characteristic



Package Dimensions



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