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# 1SS286

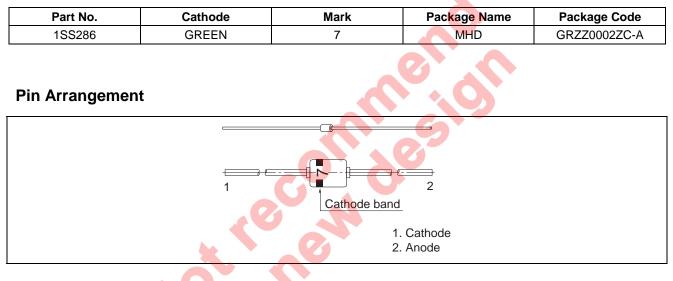
Silicon Schottky Barrier Diode for Various Detector, High Speed Switching

REJ03G0142-0300 Rev.3.00 May 24, 2007

### Features

- Very low reverse current.
- Detection efficiency is very good.
- Small glass package (MHD) enables easy mounting and high reliability.

### **Ordering Information**



# **Absolute Maximum Ratings**

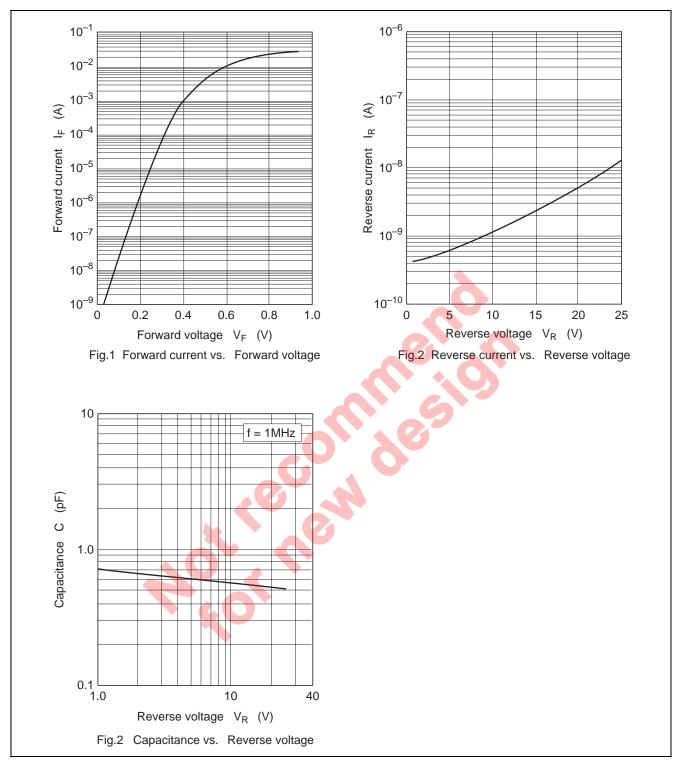
			$(Ta = 25^{\circ}C)$	
Item	Symbol	Value	Unit	
Reverse voltage	V <sub>R</sub>	25	V	
Forward current	IF	35	mA	
Power dissipation	Pd	150	mW	
Junction temperature	Тј	100	°C	
Storage temperature	Tstg	-55 to +100	٥C	

# **Electrical Characteristics**

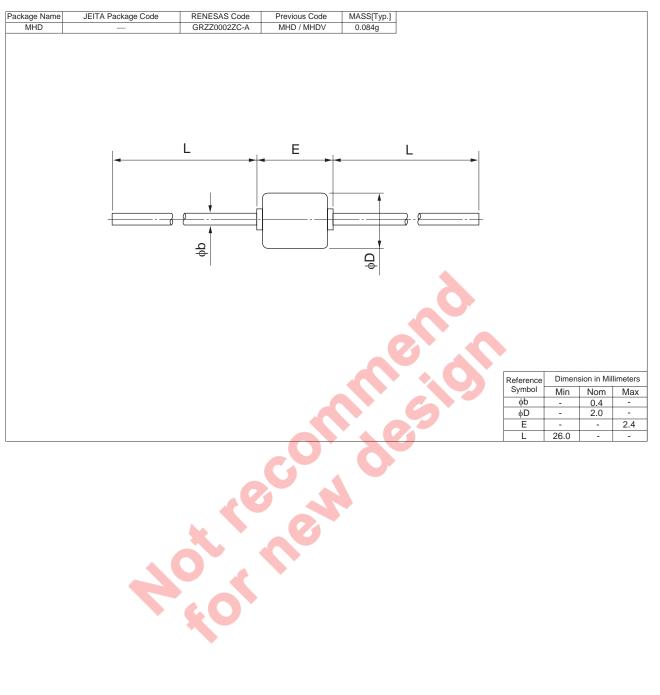
 $(Ta = 25^{\circ}C)$ 

ltem	Symbol	Min	Тур	Max	Unit	Test Condition			
Forward voltage	V <sub>F</sub>	_	_	0.60	V	I <sub>F</sub> = 10 mA			
Reverse voltage	V <sub>R</sub>	25	—	_	V	I <sub>F</sub> = 10 μA			
Reverse current	I <sub>R</sub>	—	—	10	nA	V <sub>R</sub> = 10 V			
Capacitance	С	—	—	1.20	pF	$V_R = 0 V$ , f = 1 MHz			
Capacitance deviation *3	ΔC	—	—	0.10	pF	$V_R = 0 V$ , f = 1 MHz			
Forward voltage deviation *3	$\Delta V_F$	—	—	10	mV	$I_F = 10 m A$			
ESD-Capability <sup>*1</sup>	—	10	—		V	C = 200 pF, R = 0 $\Omega$ , Both forward and reverse direction 1 pulse.			
Notes: 1. Failure criterion ; I <sub>R</sub> ≥ 20 nA at V <sub>R</sub> = 10 V         2. Each group shall unify a multiple of 4 diodes         3. Not applied to taping-type products.									

## **Main Characteristic**



### **Package Dimensions**



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