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April 1st, 2010 Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (http://www.renesas.com)

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1SS270

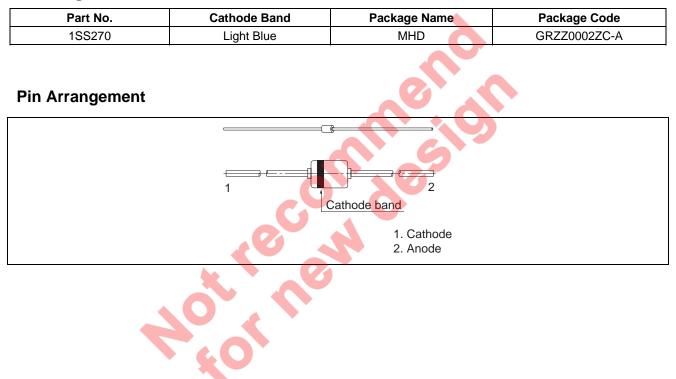
Silicon Epitaxial Planar Diode for High Speed Switching

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



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	٥°
Storage temperature	Tstg	-65 to +175	°C

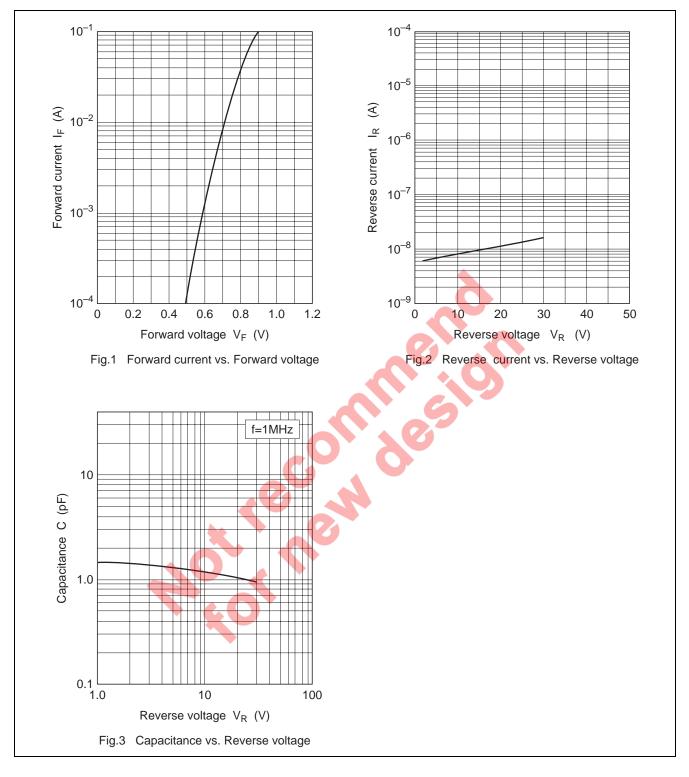
Note: Within 1s forward surge current.

Electrical Characteristics

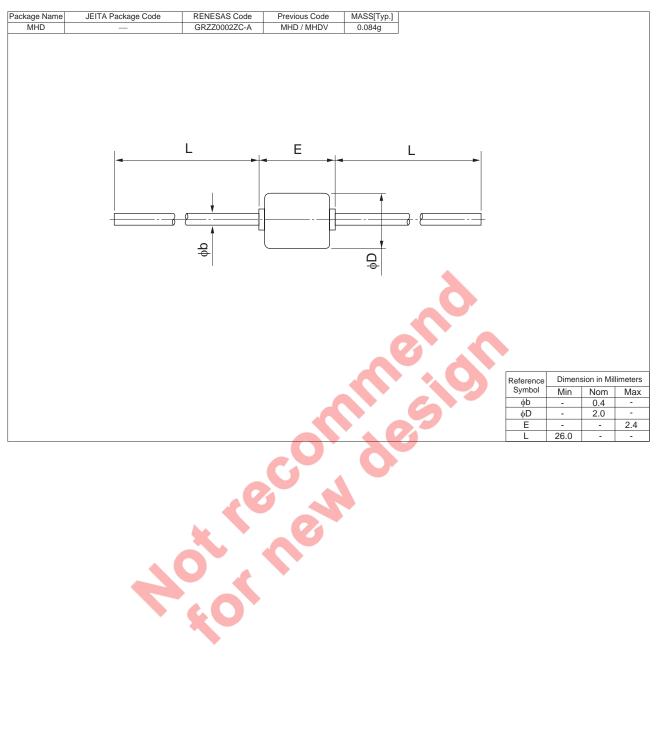
						$(Ta = 25^{\circ}C)$
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _F		_	0.8	V	I _F = 10 mA
Reverse current	I _R	_	_	1.0	μA	$V_R = 30 V$
Capacitance	С	_	_	3.0	рF	$V_R = 1 V$, f = 1 MHz
Reverse recovery time	t _{rr}	_	_	3.5	ns	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}, R_L = 50 \Omega$
					3	

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Main Characteristic



Package Dimensions



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