Old Company Name in Catalogs and Other Documents

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Renesas Electronics website: http://www.renesas.com

April 1st, 2010 Renesas Electronics Corporation

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

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1SS106

Silicon Schottky Barrier Diode for Various Detector, High Speed Switching

> REJ03G0125-0200Z (Previous: ADE-208-153A)

> > Rev.2.00 Oct.23.2003

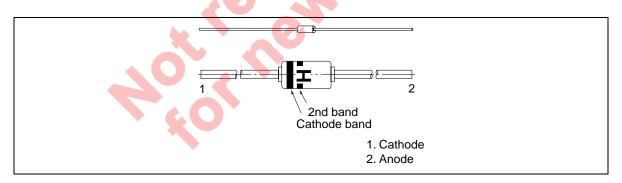
Features

- Detection efficiency is very good.
- Small temperature coefficient.
- High reliability with glass seal..

Ordering Information

Type No.	Cathode	2nd band	Mark	Package Code
1SS106	White	White	H	DO-35

Pin Arrangement



Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Reverse voltage	V_R	10	V
Average rectified current	I _O	30	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

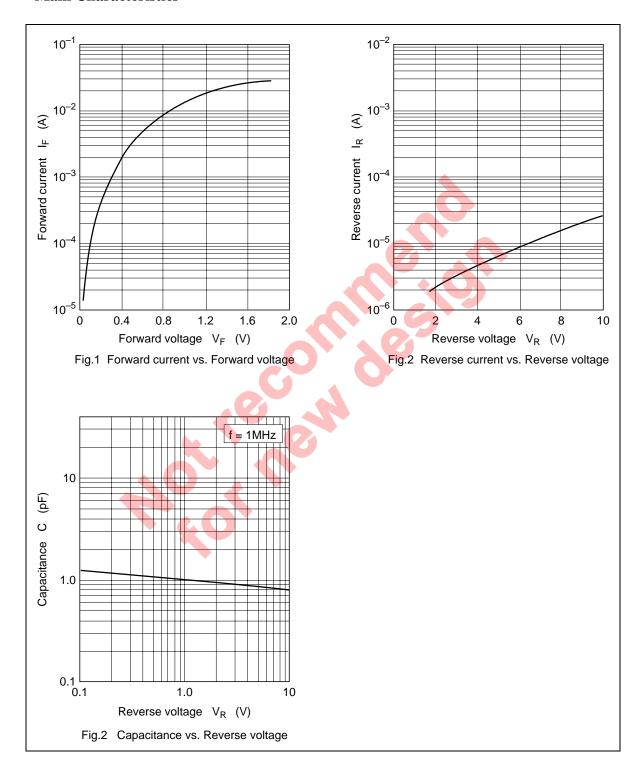
Electrical Characteristics

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

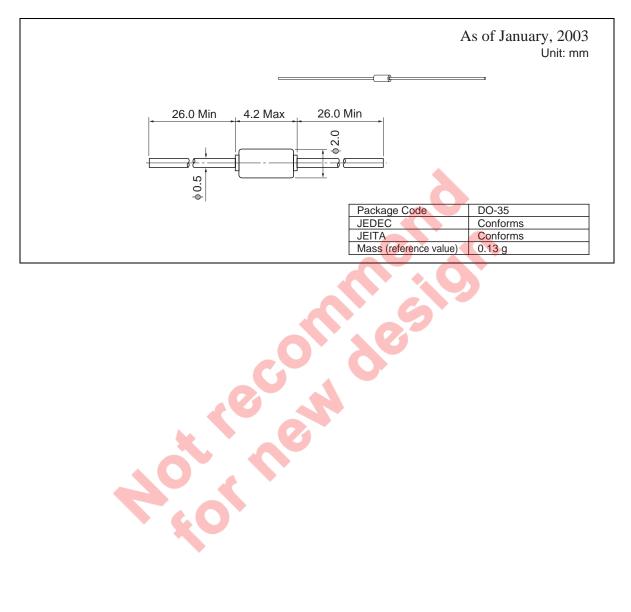
Item	Symbol	Min	Тур	Max Unit	Test Condition
Forward current	I _F	4.5	_	— mA	V _F = 1 V
Reverse current	I _R	_	_	70 μA	V _R = 6 V
Capacitance	С	_	- 1	1.5 pF	V _R = 1 V, f = 1 MHz
ESD-Capability *1	_	100	0	V	C = 200 pF, Both forward and reverse direction 1 pulse.

Note: 1. Failure criterion; $I_R \ge 140 \mu A$ at $V_R = 6 V$

Main Characteristics



Package Dimensions



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