

1SS106

Silicon Schottky Barrier Diode for Various Detector,
High Speed Switching

REJ03G0125-0200Z
(Previous: ADE-208-153A)
Rev.2.00
Oct.23.2003

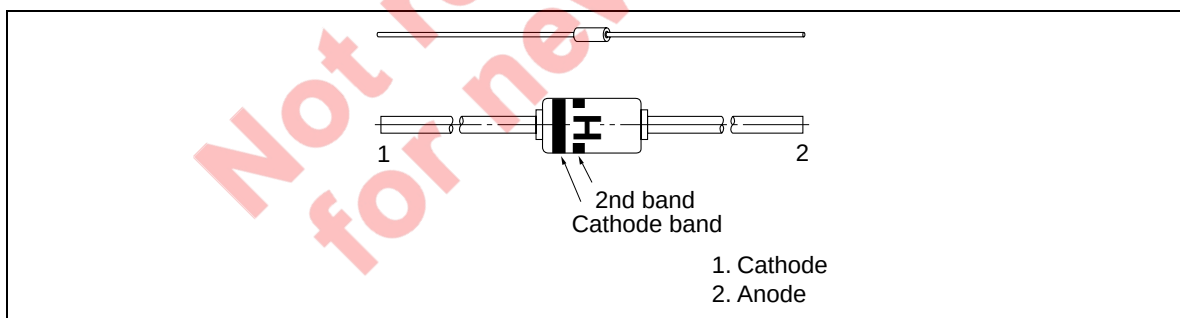
Features

- 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

(T_a = 25°C)

Item	Symbol	Value	Unit
Reverse voltage	V _R	10	V
Average rectified current	I _O	30	mA
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	–55 to +125	°C

Electrical Characteristics

(T_a = 25°C)

Item	Symbol	Min	Typ	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	C	—	—	1.5	pF	V _R = 1 V, f = 1 MHz
ESD-Capability ^{*1}	—	100	—	—	V	C = 200 pF, Both forward and reverse direction 1 pulse.

Note: 1. Failure criterion; I_R ≥ 140 μA at V_R = 6 V

Main Characteristics

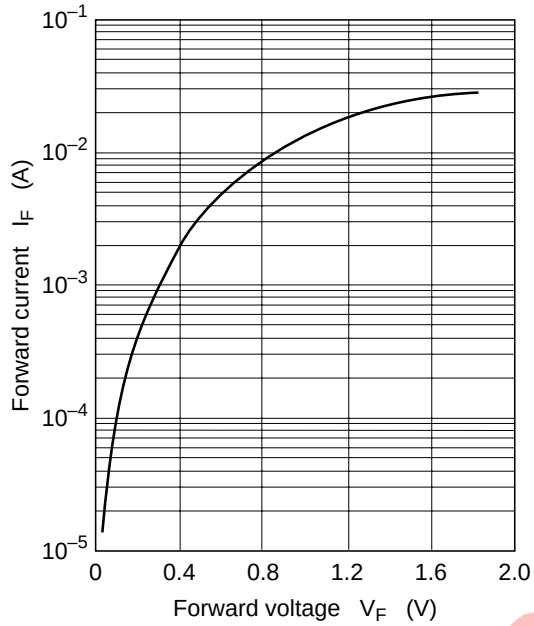


Fig.1 Forward current vs. Forward voltage

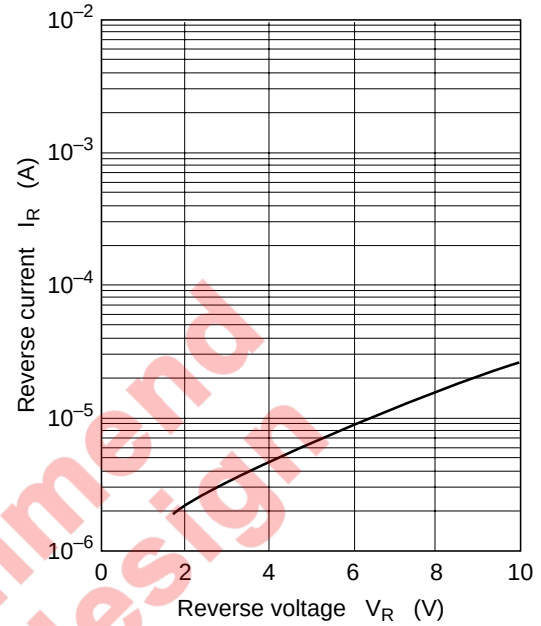


Fig.2 Reverse current vs. Reverse voltage

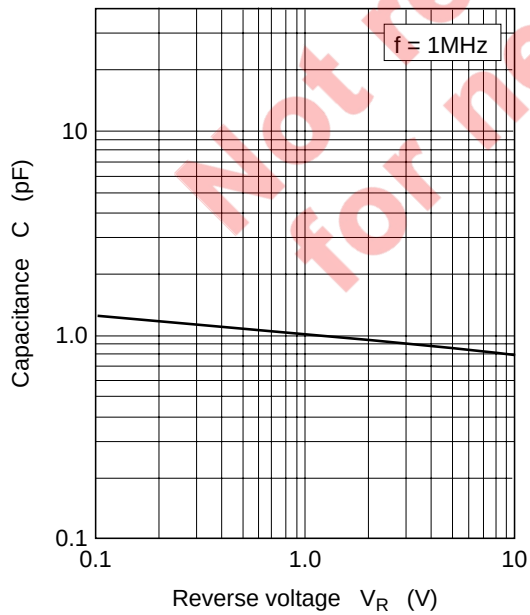
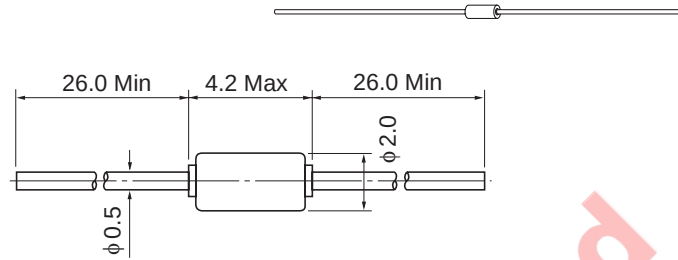


Fig.2 Capacitance vs. Reverse voltage

Package Dimensions

As of January, 2003

Unit: mm



Package Code	DO-35
JEDEC	Conforms
JEITA	Conforms
Mass (reference value)	0.13 g

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