

## 1SS106

Silicon Schottky Barrier Diode for Various Detector,  
High Speed Switching

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

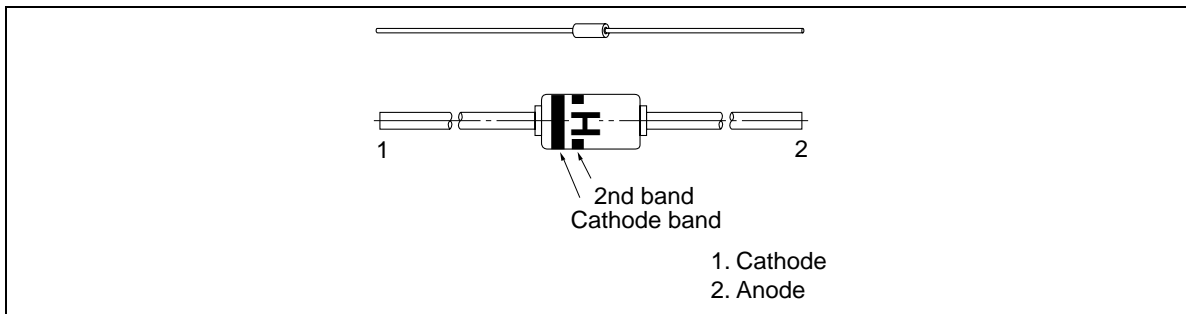
### Features

- 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°C)

<b>Item</b>	<b>Symbol</b>	<b>Value</b>	<b>Unit</b>
Reverse voltage	V <sub>R</sub>	10	V
Average rectified current	I <sub>o</sub>	30	mA
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	T <sub>stg</sub>	-55 to +125	°C

**Electrical Characteristics**

(Ta = 25°C)

<b>Item</b>	<b>Symbol</b>	<b>Min</b>	<b>Typ</b>	<b>Max</b>	<b>Unit</b>	<b>Test Condition</b>
Forward current	I <sub>F</sub>	4.5	—	—	mA	V <sub>F</sub> = 1 V
Reverse current	I <sub>R</sub>	—	—	70	μA	V <sub>R</sub> = 6 V
Capacitance	C	—	—	1.5	pF	V <sub>R</sub> = 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<sub>R</sub> ≥ 140 μA at V<sub>R</sub> = 6 V

Main Characteristics

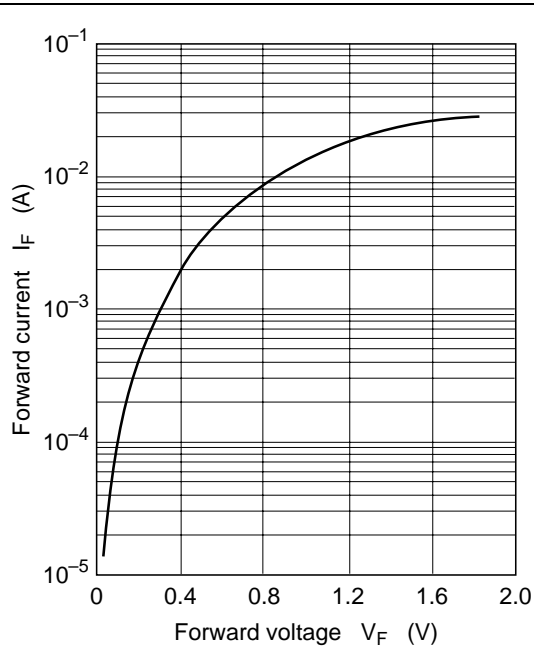


Fig.1 Forward current vs. Forward voltage

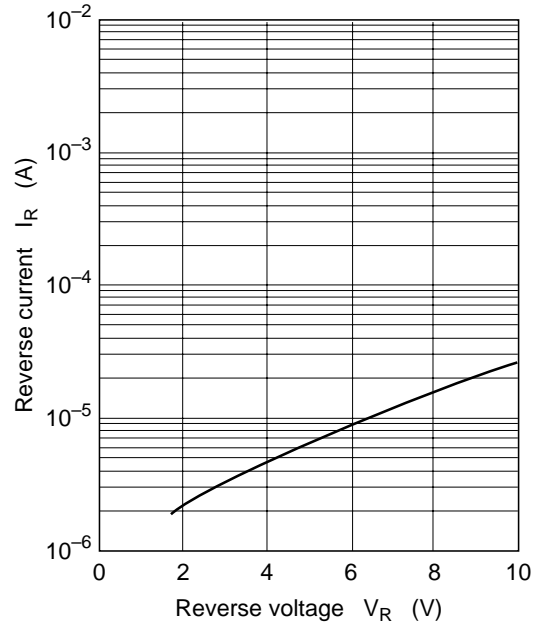


Fig.2 Reverse current vs. Reverse voltage

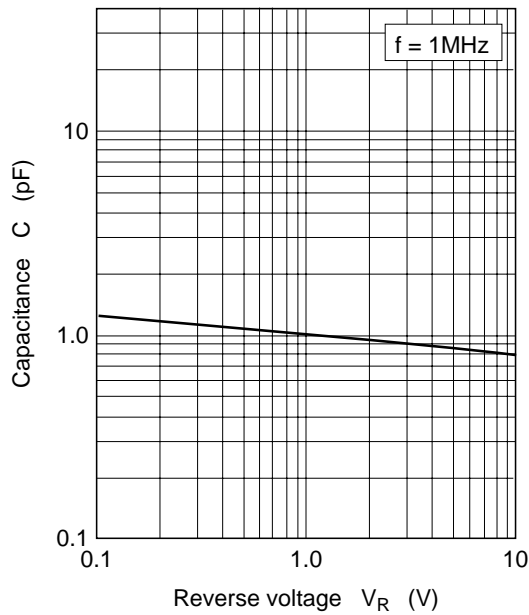
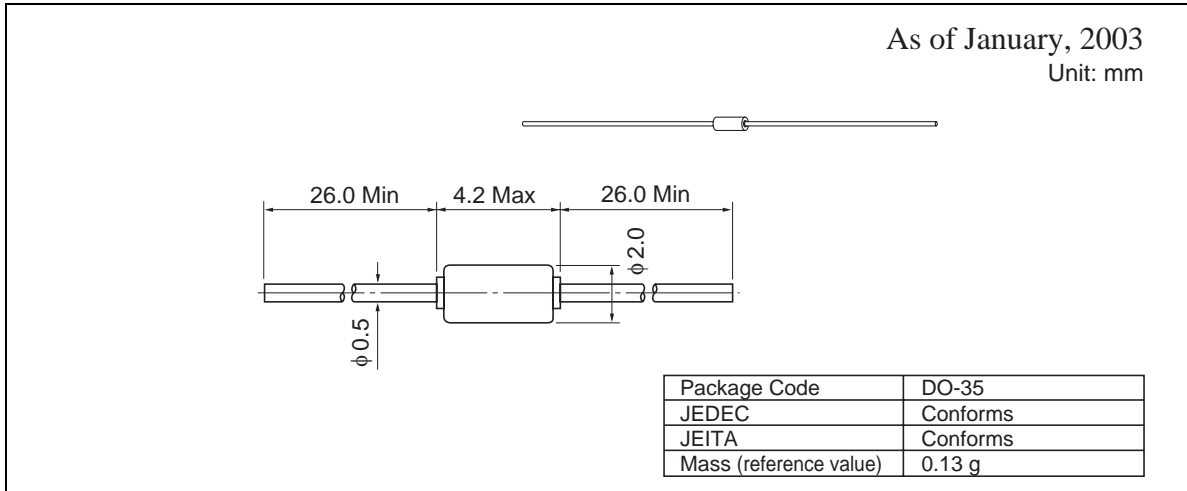


Fig.2 Capacitance vs. Reverse voltage

Package Dimensions



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