1SS106

Silicon Schottky Barrier Diode for Various Detector, High Speed Switching

HITACHI

ADE-208-153A (Z) Rev. 1 Oct. 1998

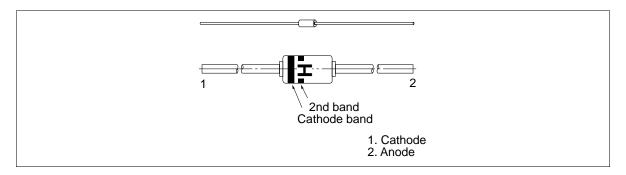
Features

- 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	Н	DO-35

Outline





<u>1SS10</u>6

Absolute Maximum Ratings (Ta = 25°C)

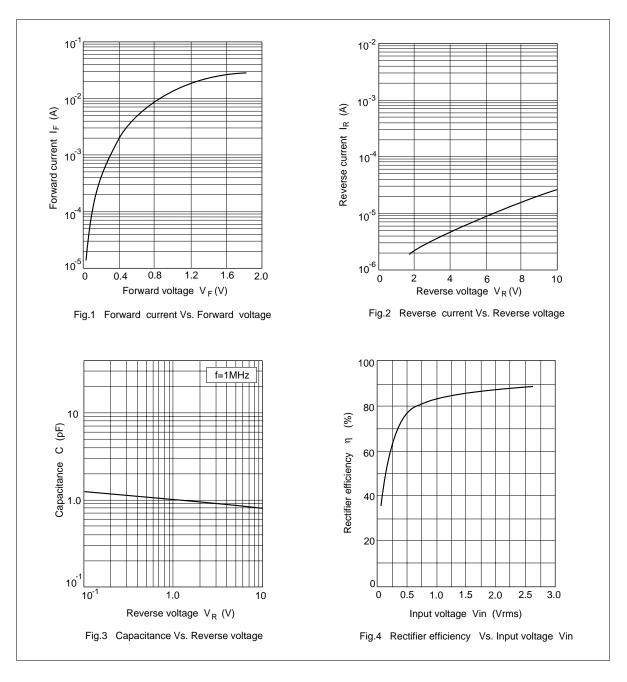
Item	Symbol	Value	Unit
Reverse voltage	V _R	10	V
Average rectified current	I _o	30	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

Electrical Characteristics (Ta = 25°C)

ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Forward current	I _F	4.5	_	_	mA	$V_F = 1V$
Reverse current	I _R	—		70	μΑ	V _R = 6V
Capacitance	С	—		1.5	pF	$V_{R} = 1V$, f = 1MHz
Rectifier efficiency	η	70	_	—	%	Vin = 2Vrms, f = 40MHz, R _L = 5k Ω , C _L = 20pF
ESD-Capability ^{*1}		100		_	V	C = 200pF, Both forward and reverse direction 1 pulse.

Notes: 1. Failure criterion; $I_{_R} \ge 140 \mu A$ at $V_{_R}$ = 6V

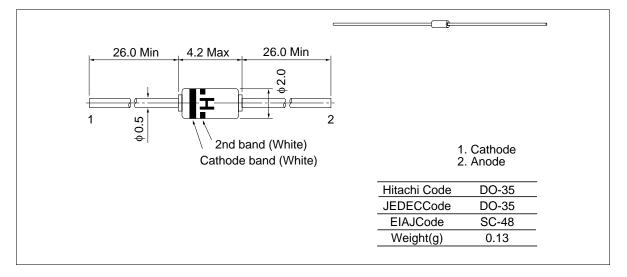
Main Characteristic



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1SS106

Package Dimensions



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