1SS106

Silicon Schottky Barrier Diode for Various Detector, High Speed Switching

HITACHI

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

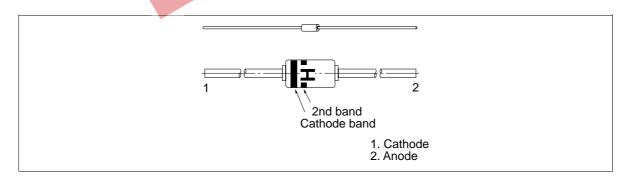
Features

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

Ordering Information

	fficiency is very goo erature coefficient.	d.	9	
-	ility with glass seal.		2 12 32	in .
Ordering In	formation		Tom.	
Type No.	Cathode	2nd band	Mark	Package Code
1SS106	White	White	Н	DO-35

Outline





1SS106

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

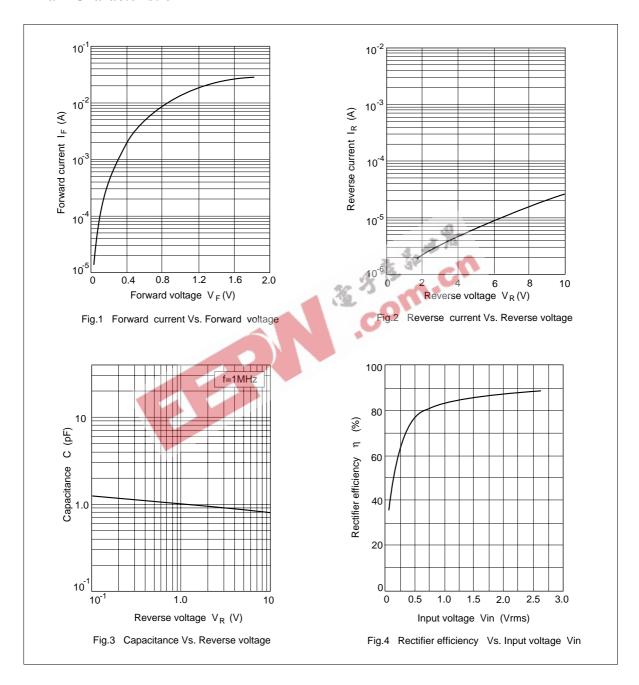
Item	Symbol	Value	Unit
Reverse voltage	V _R	10	V
Average rectified current	Io	30	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

Electrical Characteristics (Ta = 25°C)

Item	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	_	36	%	Vin = 2Vrms, f = 40MHz, $R_L = 5k\Omega$, $C_L = 20pF$
ESD-Capability *1	_	100			V	C = 200pF, Both forward and reverse direction 1 pulse.

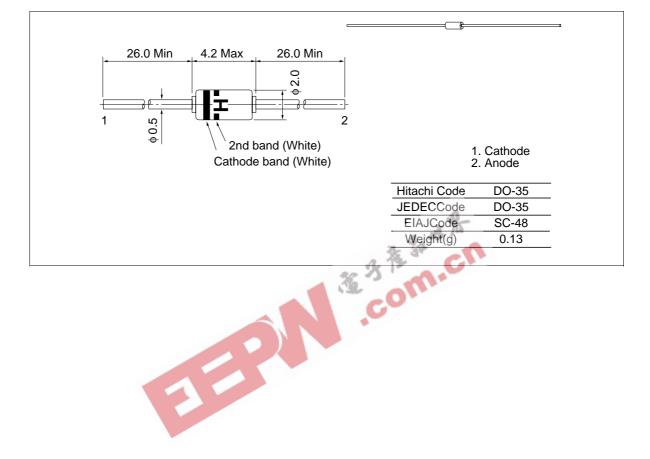
Notes: 1. Failure criterion; $I_R \ge 140\mu A$ at $V_R = 6V$

Main Characteristic



1SS106

Package Dimensions



Cautions

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