
1SS286

Silicon Schottky Barrier Diode for Various Detector,
High Speed Switching

HITACHI

ADE-208-302A (Z)

Rev. 1
Sep. 1995

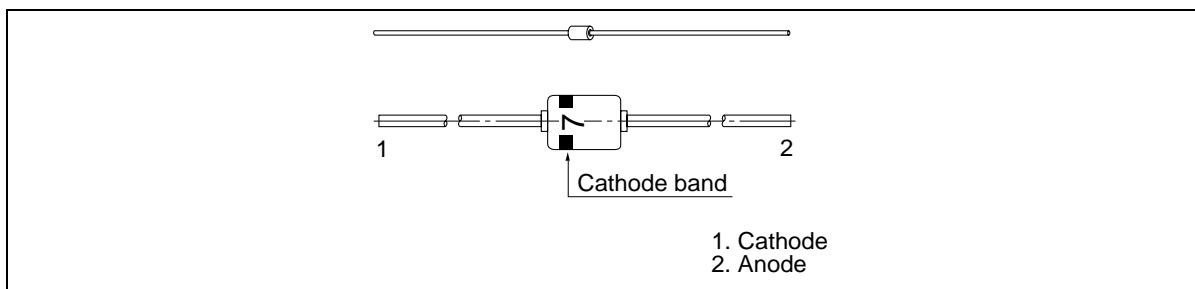
Features

- Very low reverse current.
- Detection efficiency is very good.
- Small glass package (MHD) enables easy mounting and high reliability.

Ordering Information

Type No.	Cathode band	Mark	Package Code
1SS286	Green	7	MHD

Outline



1SS286

Absolute Maximum Ratings

(Ta = 25°C)

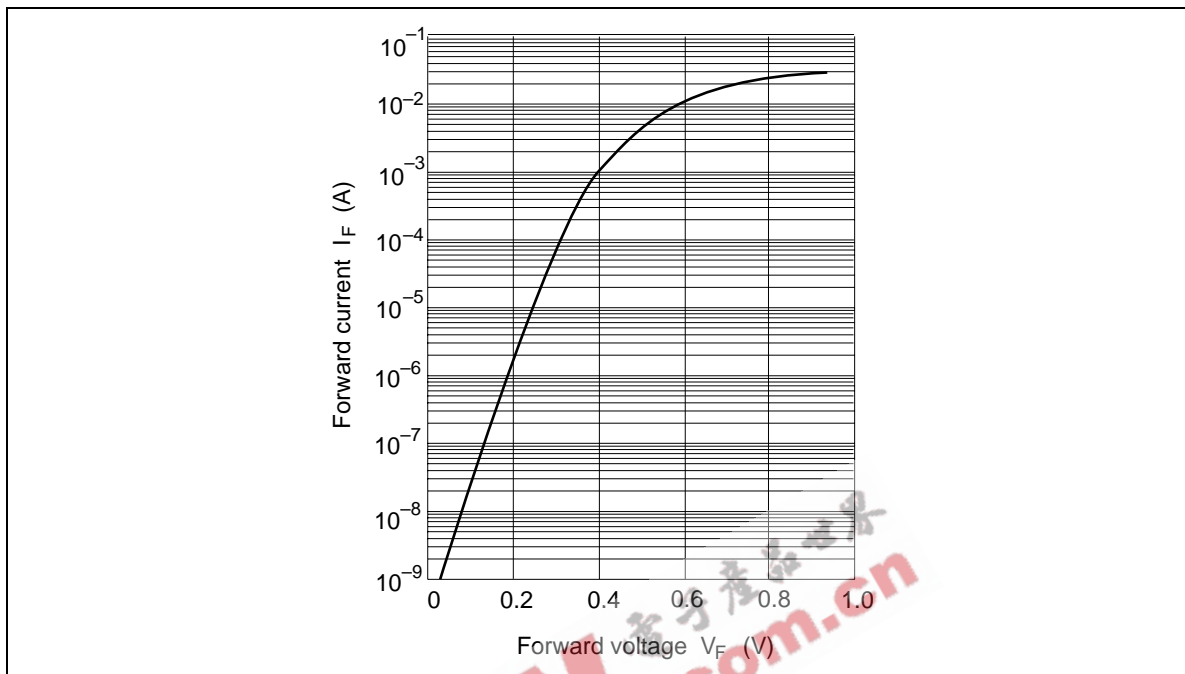
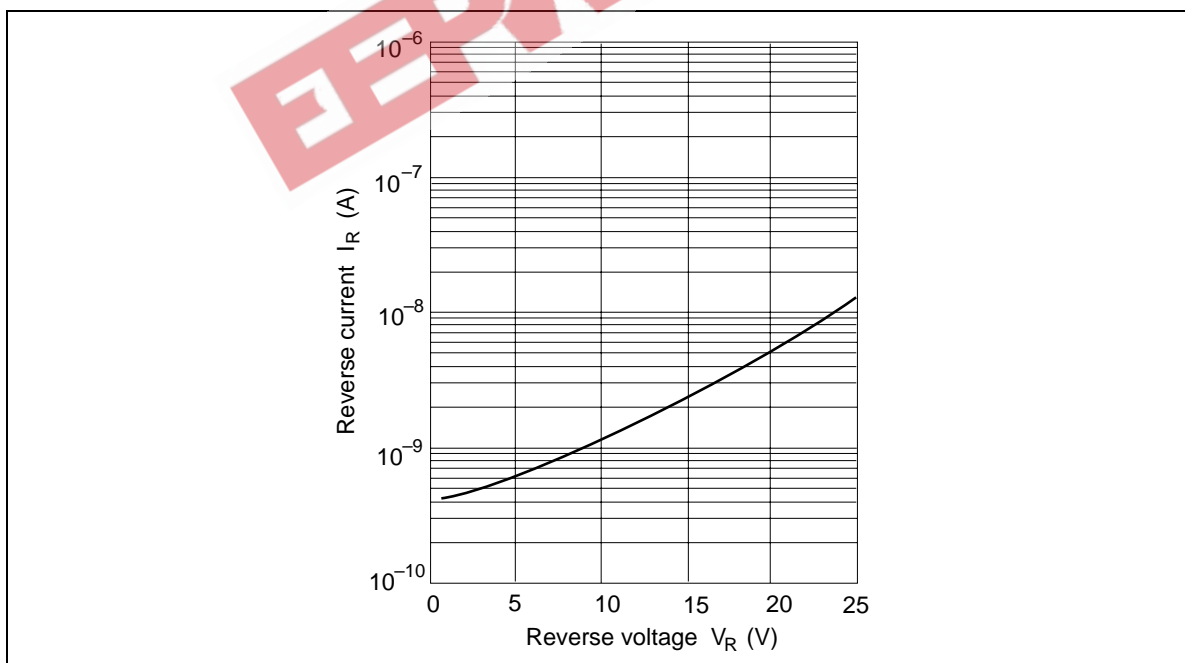
Item	Symbol	Value	Unit
Reverse voltage	V _R	25	V
Forward current	I _F	35	mA
Power dissipation	Pd	150	mW
Junction temperature	Tj	100	°C
Storage temperature	Tstg	-55 to +100	°C

Electrical Characteristics

(Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Forward voltage	V _F	—	—	0.6	V	I _F = 10mA
Reverse voltage	V _R	25	—	—	V	I _R = 10μA
Reverse current	I _R	—	—	10	nA	V _R = 10V
Capacitance	C	—	—	1.2	pF	V _R = 0V, f = 1MHz
Capacitance deviation	ΔC	—	—	0.1	pF	V _R = 0V, f = 1MHz
Forward voltage deviation	ΔV _F	—	—	10	mV	I _F = 10mA
ESD-Capability	—	10	—	—	V	*C = 200pF, Both forward and reverse direction 1 pulse.

- Notes: 1. Failure criterion; I_R ≥ 20μA
2. Each group shall unify a multiple of 4 diodes

**Fig.1 Forward current Vs. Forward voltage****Fig.2 Reverse current Vs. Reverse voltage**

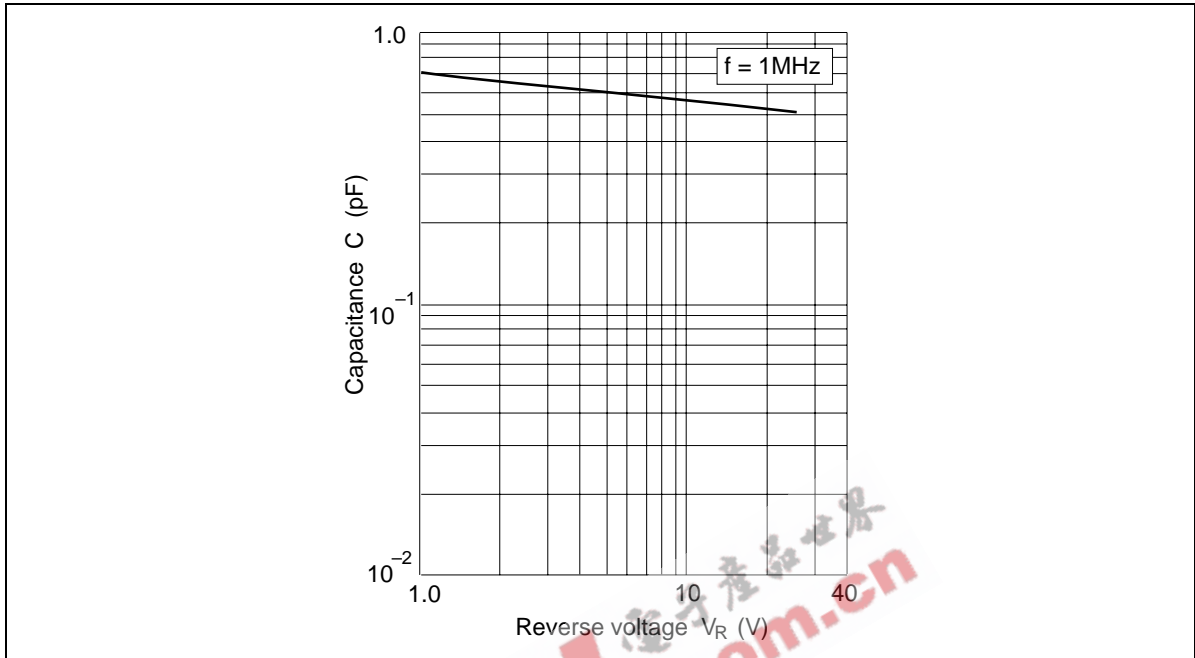
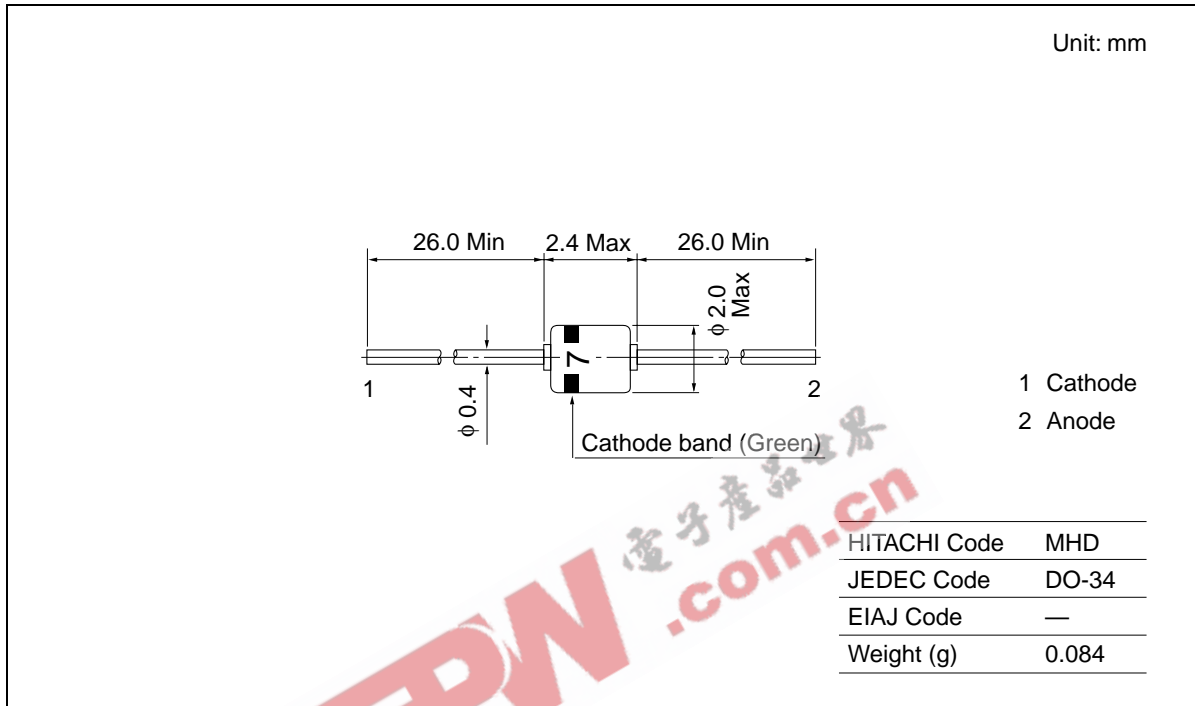


Fig.3 Capacitance Vs. Reverse voltage

Package Dimensions



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