
HRW34F

Silicon Schottky Barrier Diode for High Frequency Rectifying

HITACHI

ADE-208-158B (Z)

Rev. 2

Nov. 1994

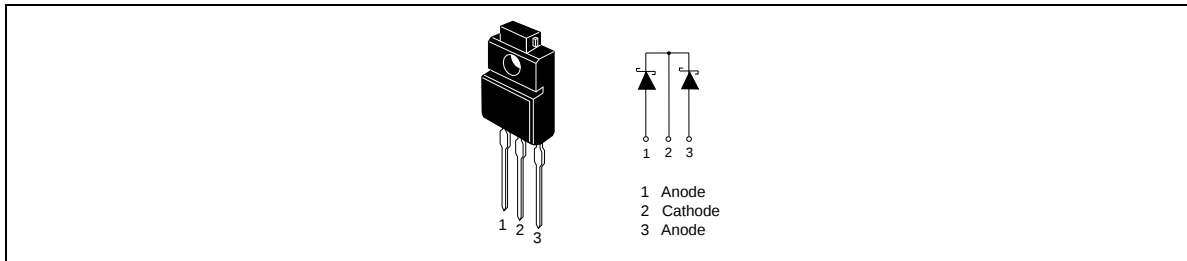
Features

- Low forward voltage drop. ($V_F = 0.80V$ max)
- High reverse voltage. ($V_R = 90V$ max)
- Full molded fin enables easy insulation from heat sink.

Ordering Information

Type No.	Laser Mark	Package Code
HRW34F	HRW34F	TO-220FM

Pin Arrangement



HRW34F

Absolute Maximum Ratings (Ta = 25°C)*¹

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V_{RRM}	90	V
Average forward current	I_O^{*2}	5	A
Non-Repetitive peak forward surge current	I_{FSM}^{*3}	60	A
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

Notes: 1. Per one device

2. Square wave, Duty (1/2), Tc = 95°C, Sum of two devices

3. Half sine wave 10msec

Electrical Characteristics (Ta = 25°C)*

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Forward voltage	V_{F1}	—	—	0.6	V	$I_F = 1.0A$
	V_{F2}	—	—	0.8	V	$I_F = 2.0A$
Reverse current	I_R	—	—	2.0	mA	$V_R = 90V$

Note: Per one device

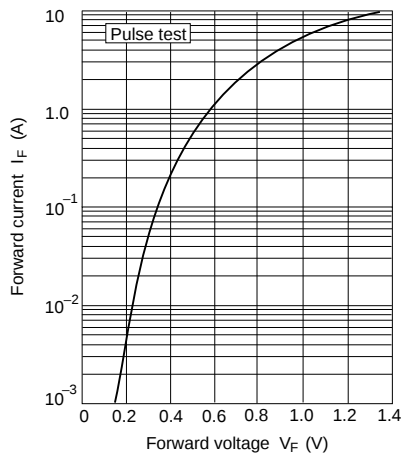


Fig.1 Forward current Vs. Forward voltage

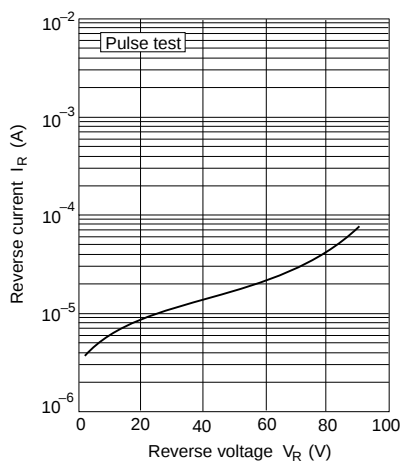
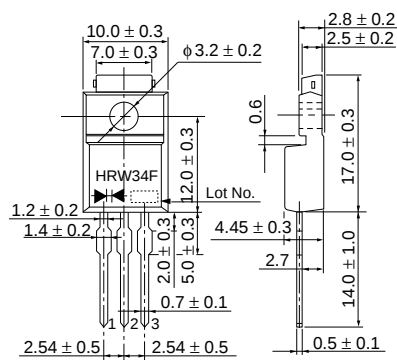


Fig.2 Reverse current Vs. Reverse voltage

Package Dimensions



Unit: mm

- 1 Anode
- 2 Cathode
- 3 Anode

HITACHI Code	TO-220FM
JEDEC Code	—
EIAJ Code	—
Weight (g)	1.8