ADE-208-159B(Z)

HRW36
Silicon Schottky Barrier Diode for High Frequency Rectifying

Rev. 2
Nov. 1994

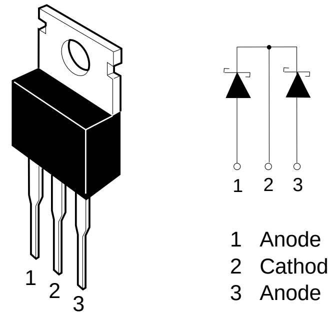
Features

- Low forward voltage drop. (V_F =0.80V max)
- High reverse voltage. (V_R =90V max)

Ordering Information

Type No.	Laser Mark	Package Code
HRW36	HRW36	TO-220AB

Pin Arrangement



1 Anode
2 Cathode
3 Anode

Absolute Maximum Ratings (Ta = 25°C) *

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V_{RRM}	90	V
Average forward current	I_o**	10	A
Non-Repetitive peak forward surge current	I_{FSM}***	70	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

* Per one device

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

*** Half sine wave 10msec

Electrical Characteristics (Ta = 25°C) *

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Forward voltage	V_{F1}	—	0.55	0.60	V	I_F = 2.0 A
	V_{F2}	—	0.75	0.80		I_F = 4.0 A
Reverse current	I_R	—	—	4.0	mA	V_R = 90 V

* Per one device

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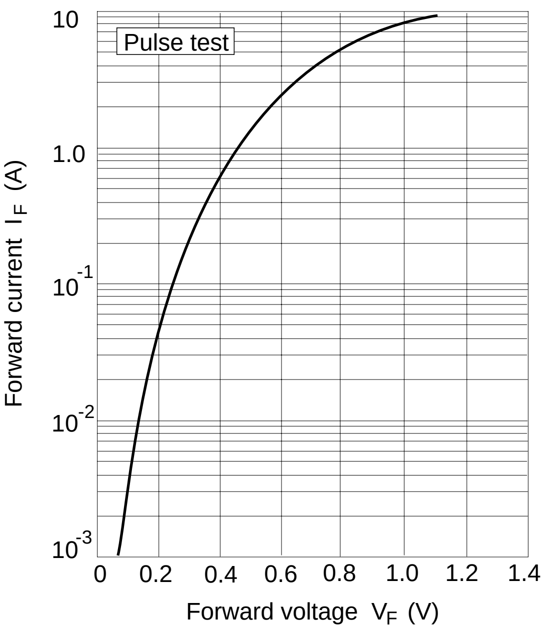


Fig.1 Forward current Vs. Forward voltage

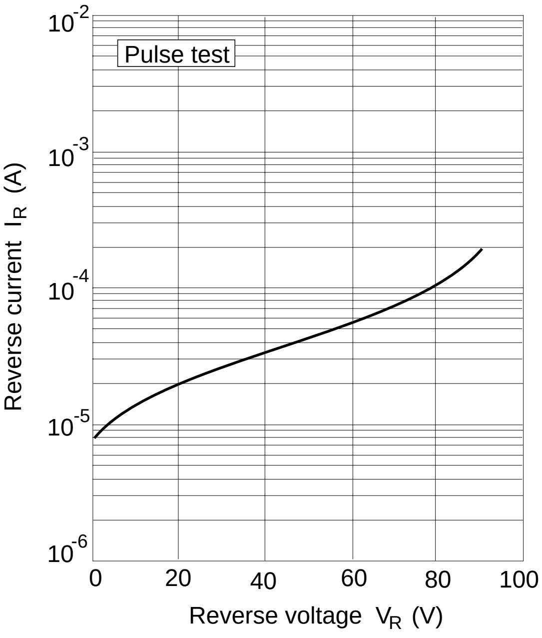
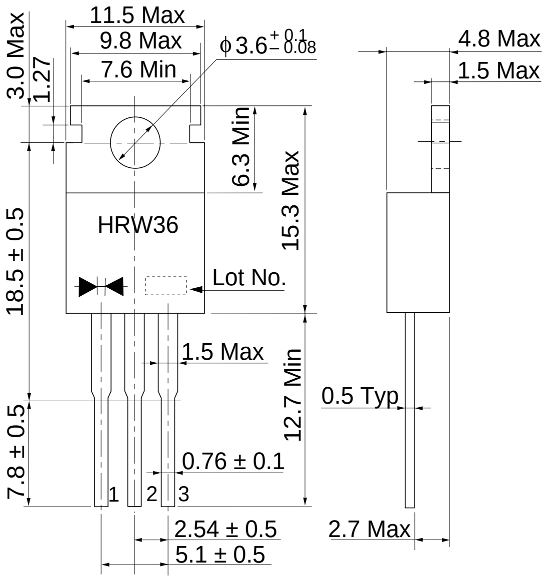


Fig.2 Reverse current Vs. Reverse voltage

Package Dimensions

Unit: mm



1 Anode
2 Cathode
3 Anode

HITACHI Code	TO-220AB
JEDEC Code	TO-220AB
EIAJ Code	SC-46
Weight (g)	1.8