
HRP22

Silicon Schottky Barrier Diode
for Ultra High Speed Medium Power Switching

HITACHI

ADE-208-303 (Z)

Rev. 0

Dec. 1994

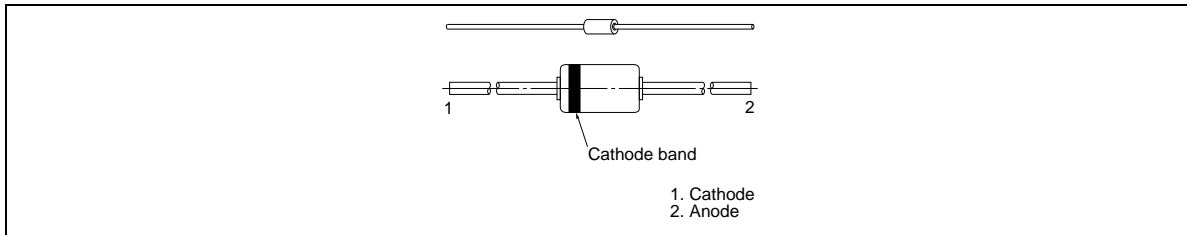
Features

- Good for high-frequency rectify for $V_R = 50V$, $I_O = 1.0A$, Output voltage = 15Vmax.
- High reliability with glass seal.

Ordering Information

Type No.	Cathode Band	Package Code
HRP22	White	DO-41

Outline



Absolute Maximum Ratings ($T_a = 25^\circ C$)

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V_{RRM}	50	V
Average forward current	I_O^*	1.0	A
Junction temperature	T_j	125	$^\circ C$
Storage temperature	T_{stg}	-40 to +125	$^\circ C$

Note: 50Hz sine wave

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Electrical Characteristics (Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Forward voltage	V_F	—	—	0.55	V	$I_F = 1.0A$
Reverse current	I_R	—	—	2.0	mA	$V_R = 50V$

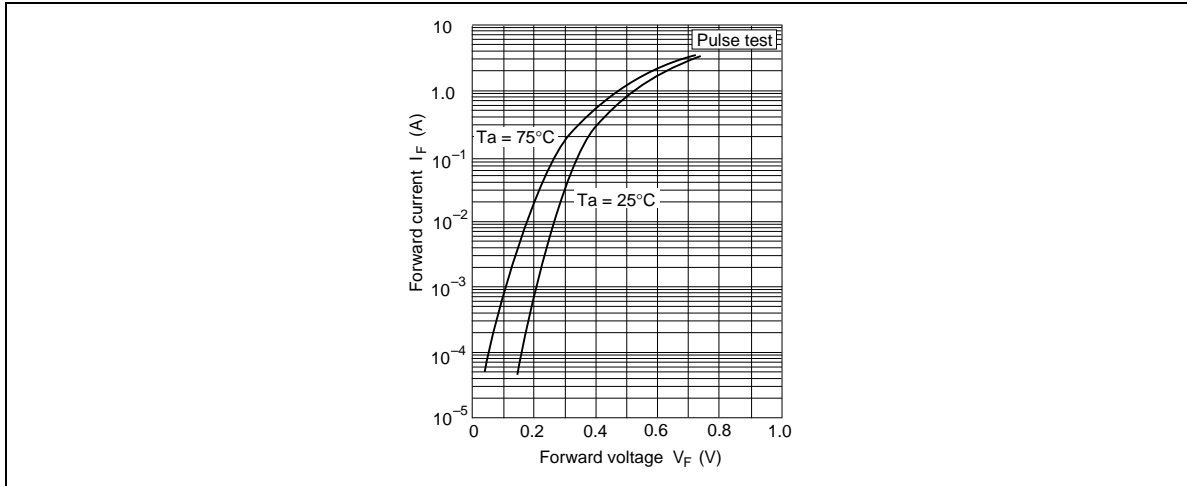


Fig.1 Forward current Vs. Forward voltage

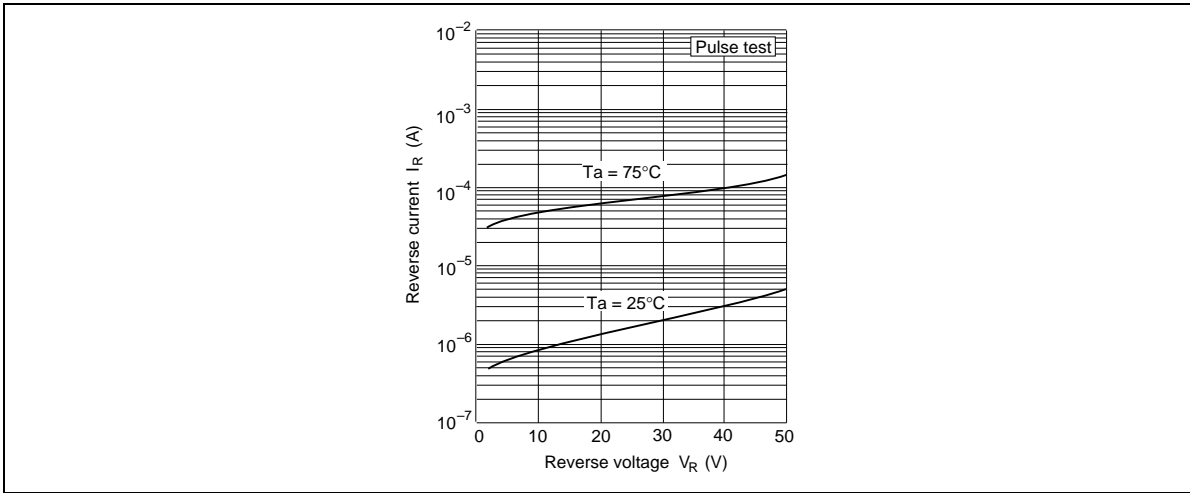


Fig.2 Reverse current Vs. Reverse voltage

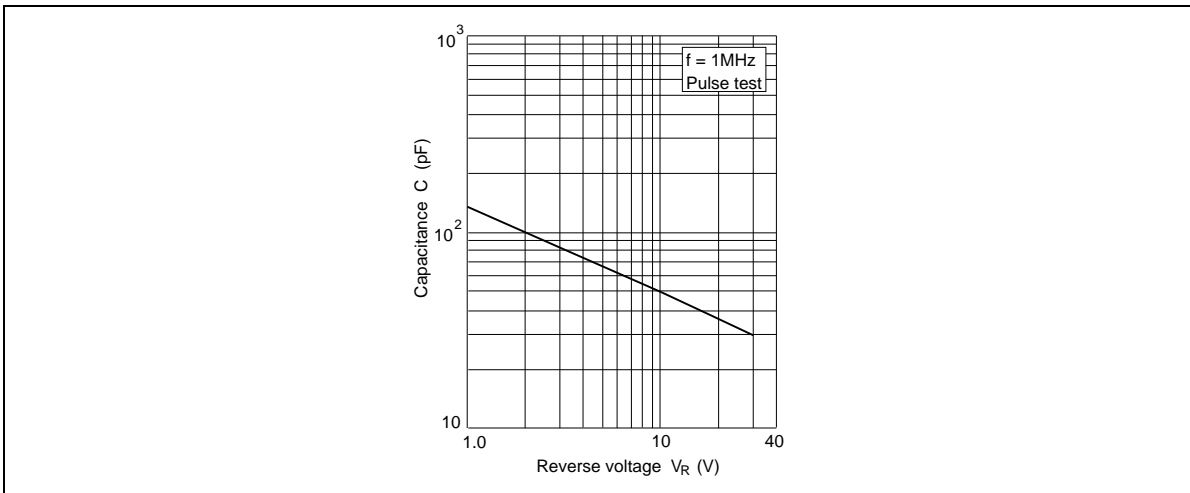


Fig.3 Capacitance Vs. Reverse voltage

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Package Dimensions

