

捷多邦,专业PCB打样工厂,24小时加急出货

# HRP22

Silicon Schottky Barrier Diode for Rectifying



ADE-208-303A(Z) Rev 1 Jul 1997

#### Features

- Good for high-frequency rectify.
- High reliability with glass seal.

## **Ordering Information**

Type No.	Cathode Band	Package Code
HRP22	White	DO-41
Outline		ABE WWW.DZSC.C
	Cathode	band
		1. Cathode 2. Anode
维库	B37556.com	ZBIT



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

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V <sub>RRM</sub>	50	V
Non-Repetitive peak reverse voltage	V <sub>RSM</sub> <sup>*1</sup>	50	V
Average rectified current	<sub>0</sub> *2	1.0	A
Junction temperature	Тј	125	°C
Storage temperature	Tstg	-40 to +125	۵°

Note: 1. See from Fig.1 to Fig.6

Note: 2. 20msec sine wave

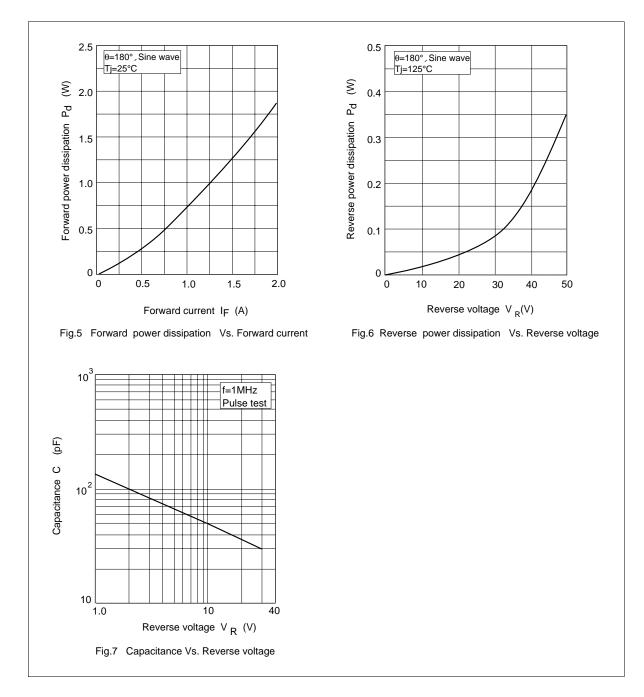
### **Electrical Characteristics (Ta = 25°C)**

ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V <sub>F</sub>	_	_	0.55	V	I <sub>F</sub> = 1.0A
Reverse current	I <sub>R</sub>		_	2.0	mA	$V_{R} = 50V$

#### 10 Tj=125 °C Tj=25 °C 10<sup>-2</sup> $\overline{\mathsf{A}}$ Forward current I<sub>F</sub> (A) Reverse current I<sub>R</sub> 1.0 10<sup>-3</sup> 10 0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 0 10 30 50 60 20 40 Reverse voltage $V_R$ (V) Forward voltage V<sub>F</sub>(V) Fig.1 Forward current Vs. Forward voltage Fig.2 Reverse current Vs. Reverse voltage 1.2 1.2 5mm 5mm <u>i</u>45 <u>\_</u>65 ₫<u></u>\_\_\_\_2 mm <u>−</u>+2 mm 1.0 1.0 2 mr Ceramic Board Average forward current I<sub>O</sub> (A) Average forward current 1<sub>O</sub> (A) Print Board Rth=100°C/W Rth=153°C/W 0.8 =180°, Sine wave 0.8 θ=180°, Sine wave Tj=125°C Tj=125°C 0.6 0.6 V<sub>R</sub>=50V V<sub>R</sub>=40V 0.4 0.4 V<sub>R</sub>=20V V<sub>R</sub>=50V V<sub>R</sub>=40V 0.2 0.2 V<sub>R</sub>=20V 0 0 0 25 100 125 150 -25 50 75 -25 0 25 50 75 100 125 150 Ambient temperature Ta (°C) Ambient temperature Ta (°C) Fig.3 Average forward current Vs. Ambient temperature Fig.4 Average forward current Vs. Ambient temperature

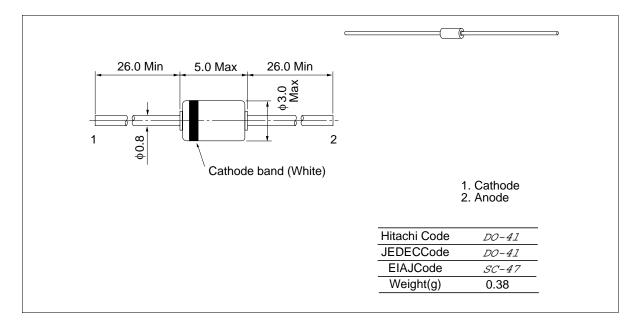
#### **Main Characteristic**

### **Main Characteristic**



# **Package Dimensions**

Unit : mm



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