HRP32

Silicon Schottky Barrier Diode for Rectifying

HITACHI

ADE-208-305A(Z) Rev 1 Oct. 1997

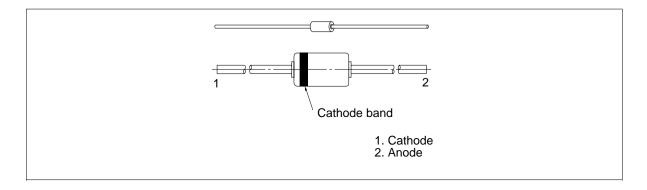
Features

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

Ordering Information

Type No.	Cathode Band	Package Code
HRP32	Green	DO-41

Outline





HRP32

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

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V _{RRM} *1	90	V
Average rectified current	l _o *1,2	1.0	A
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

Note: 1. See from Fig.1 to Fig.3

Note: 2. 20msec sine wave

Electrical Characteristics (Ta = 25^{\circ}C)

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V_{F}	_	_	0.80	V	I _F = 1.0A
Reverse current	I _R	_	_	1.0	mΑ	V _R = 90V

Main Characteristic

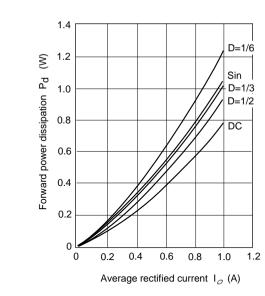


Fig.1 Forward power dissipation Vs. Average rectified current

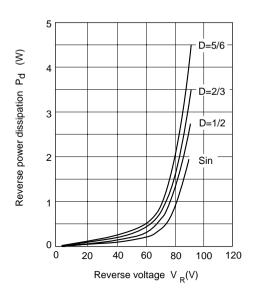


Fig.2 Reverse power dissipation Vs. Reverse voltage

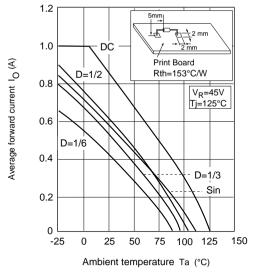


Fig.3 Average forward current Vs. Ambient temperature

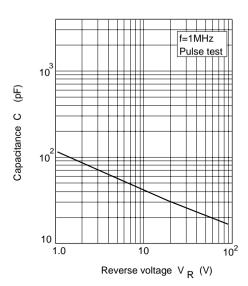
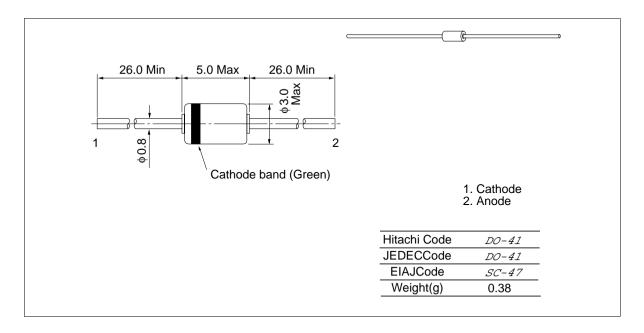


Fig.4 Capacitance Vs. Reverse voltage

HRP32

Package Dimensions

Unit: mm



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