

HZD6.2Z4

Silicon Planar Zener Diode for Surge Absorb

REJ03G0200-0200

Rev.2.00

Oct 20, 2004

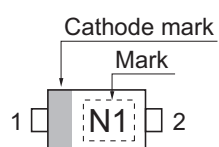
Features

- Low capacitance ($C = 4.0 \text{ pF max}$) and can protect ESD of signal line.
- Super small Flat Package (SFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code
HZD6.2Z4	N1	SFP

Pin Arrangement



1. Cathode
2. Anode

Absolute Maximum Ratings

(Ta = 25°C)

Item	Symbol	Value	Unit
Power dissipation	Pd *	150	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Note: See Fig.2.

Electrical Characteristics

(Ta = 25°C)

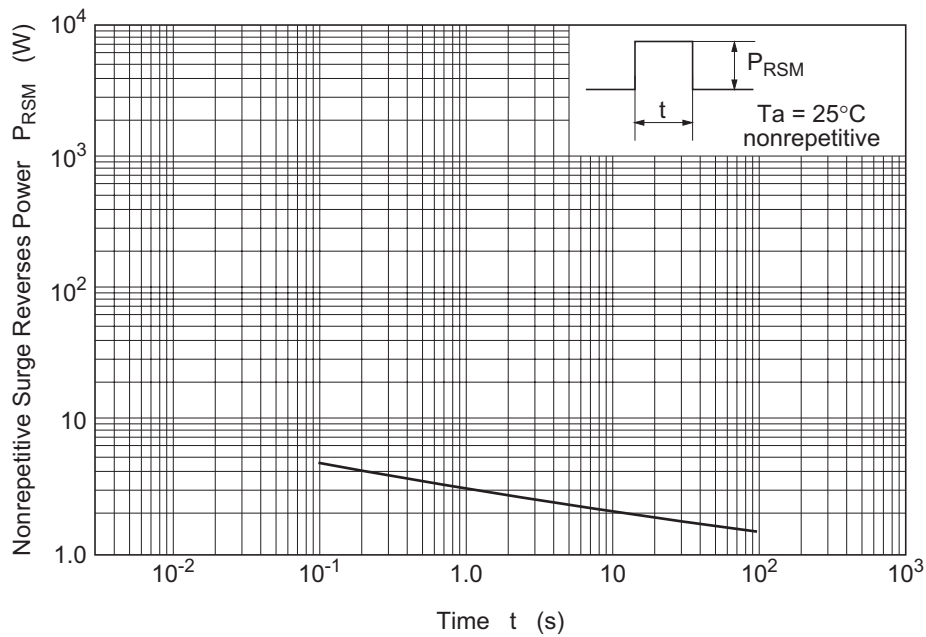
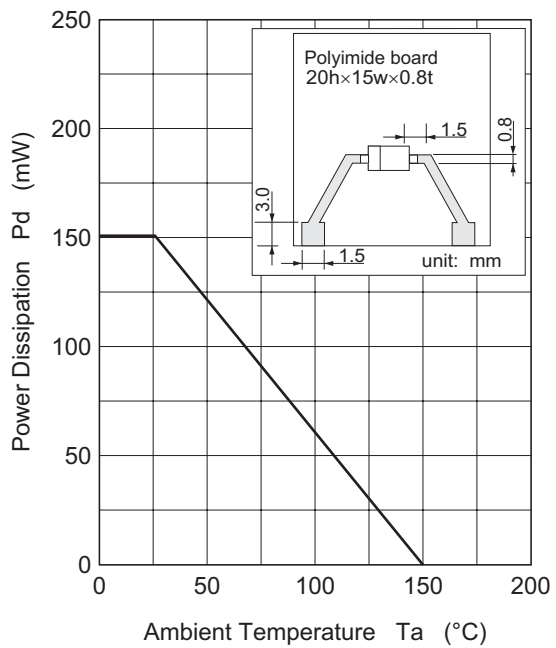
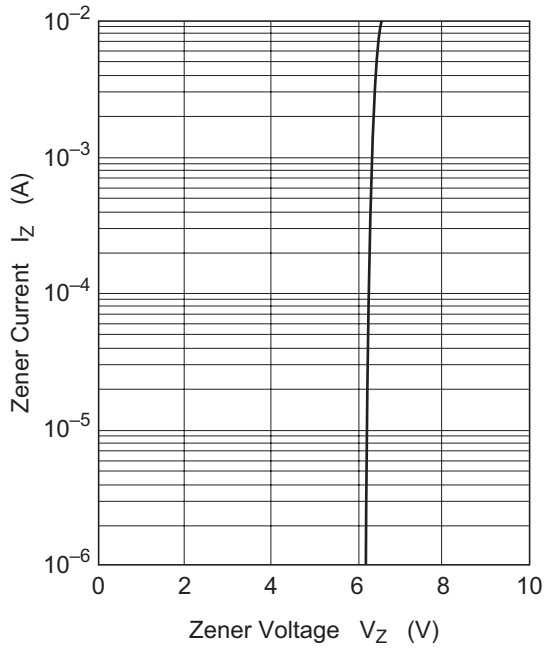
Item	Symbol	Min	Typ	Max	Unit	Test Condition
Zener voltage	V _Z	5.9	—	6.5	V	I _Z = 5 mA, 40 ms pulse
Reverse current	I _R	—	—	3	μA	V _R = 5.5 V
Capacitance	C	—	—	4	pF	V _R = 0 V, f = 1 MHz
Dynamic resistance	r _d	—	—	60	Ω	I _Z = 5 mA
ESD-Capability *1*2	—	8	—	—	kV	C = 150 pF, R = 330 Ω, Both forward and reverse direction 10 pulse

Notes: 1. Failure criterion ; I_R > 3 μA at V_R = 5.5 V.

2. Between cathode and anode.

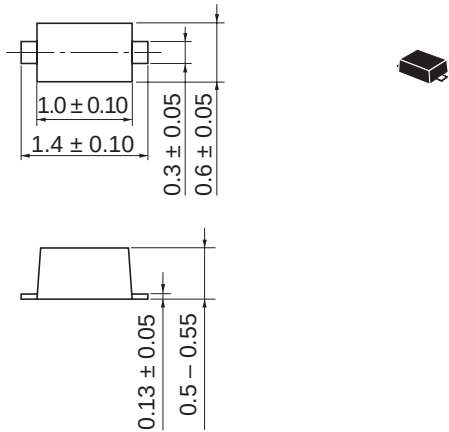
3. Please do not use the soldering iron due to avoid high stress to the SFP package.

Main Characteristic



Package Dimensions

As of January, 2003
Unit: mm



Package Code	SFP
JEDEC	—
JEITA	—
Mass (reference value)	0.0010 g

Renesas Technology Corp. Sales Strategic Planning Div. Nippon Bldg., 2-6-2, Ohte-machi, Chiyoda-ku, Tokyo 100-0004, Japan

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Renesas Technology America, Inc.

450 Holger Way, San Jose, CA 95134-1368, U.S.A
Tel: <1> (408) 382-7500, Fax: <1> (408) 382-7501

Renesas Technology Europe Limited

Dukes Meadow, Millboard Road, Bourne End, Buckinghamshire, SL8 5FH, U.K.
Tel: <44> (1628) 585-100, Fax: <44> (1628) 585-900

Renesas Technology Hong Kong Ltd.

7th Floor, North Tower, World Finance Centre, Harbour City, 1 Canton Road, Tsimshatsui, Kowloon, Hong Kong
Tel: <852> 2265-6688, Fax: <852> 2730-6071

Renesas Technology Taiwan Co., Ltd.

10th Floor, No.99, Fushing North Road, Taipei, Taiwan
Tel: <886> (2) 2715-2888, Fax: <886> (2) 2713-2999

Renesas Technology (Shanghai) Co., Ltd.

Unit2607 Ruijing Building, No.205 Maoming Road (S), Shanghai 200020, China
Tel: <86> (21) 6472-1001, Fax: <86> (21) 6415-2952

Renesas Technology Singapore Pte. Ltd.

1 Harbour Front Avenue, #06-10, Keppel Bay Tower, Singapore 098632
Tel: <65> 6213-0200, Fax: <65> 6278-8001