

HZB6.8MWA

Silicon Planar Zener Diode for Surge Absorb

REJ03G1256-0200 (Previous: ADE-208-971A)

> Rev.2.00 Sep 13, 2005

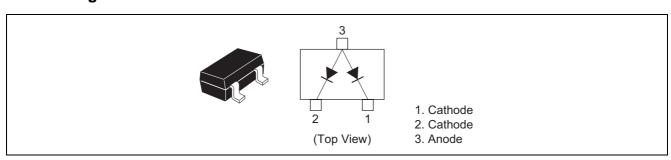
Features

- HZB6.8MWA has two devices in a monolithic, and can absorb surge.
- CMPAK Package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Name	Package Code (Previous Code)
HZB6.8MWA	68M	CMPAK	PTSP0003ZB-A
			(CMPAK)

Pin Arrangement



Absolute Maximum Ratings

 $(Ta = 25^{\circ}C)$

Item	Symbol	Value	Unit
Power dissipation	Pd *	200	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	−55 to +150	°C

Note: Two device total, See Fig.2.

Electrical Characteristics *1

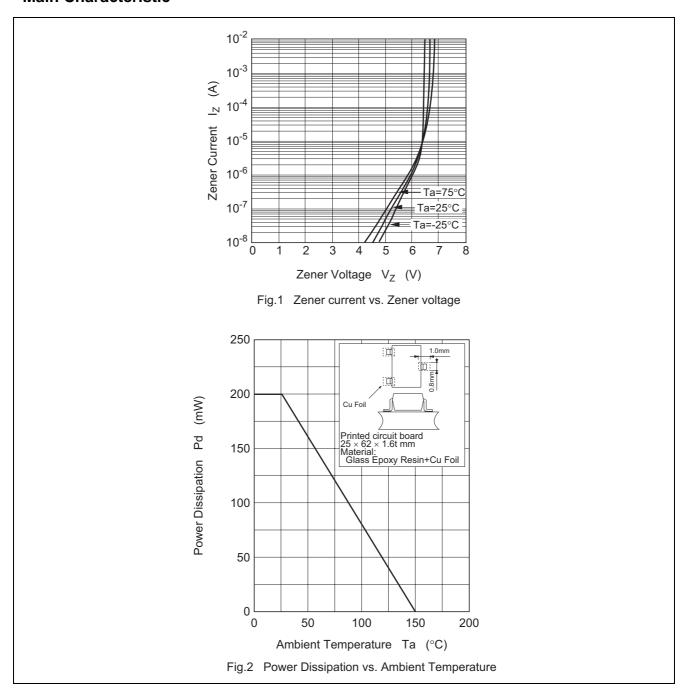
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Zener voltage	Vz	6.47	_	7.0	V	$I_Z = 5$ mA, 40 ms pulse
Reverse current	I _R	_	_	2	μΑ	V _R = 3.5 V
Capacitance	С	_	_	130	pF	V _R = 0 V, f = 1 MHz
Dynamic resistance	r _d	_	_	30	Ω	$I_Z = 5 \text{ mA}$
ESD-Capability *2	_	30	_	_	kV	C = 150 pF, R = 330 Ω , Both forward and reverse direction 10 pulse

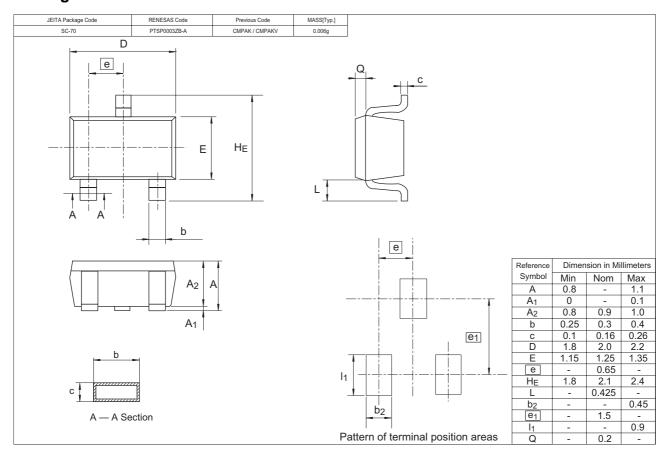
Notes: 1. Per one device

2. Failure criterion ; $I_R > 2 \mu A$ at $V_R = 3.5 V$.

Main Characteristic



Package Dimensions



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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

Renesas Technology Korea Co., Ltd.Kukje Center Bldg. 18th Fl., 191, 2-ka, Hangang-ro, Yongsan-ku, Seoul 140-702, Korea Tel: <82> 2-796-3115, Fax: <82> 2-796-2145

Renesas Technology Malaysia Sdn. Bhd.

Unit 906, Block B, Menara Amcorp, Amcorp Trade Centre, No.18, Jalan Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia Tel: <603> 7955-9390, Fax: <603> 7955-9510

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