

HZB6.8MWA

Silicon Planar Zener Diode for Surge Absorb

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

> Rev.2.00 Sep 13, 2005

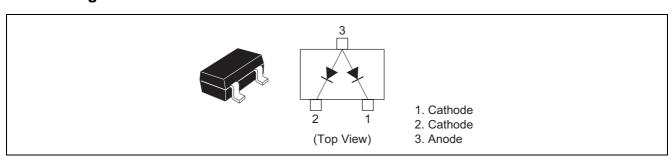
Features

- 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

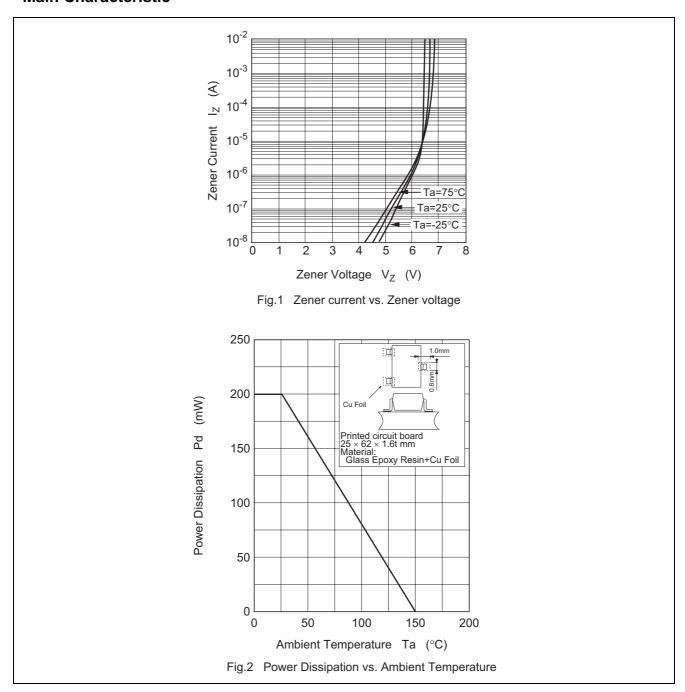
 $(Ta = 25^{\circ}C)$

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

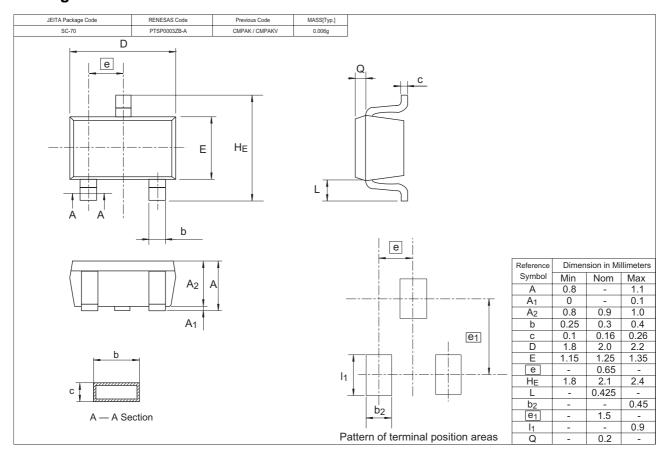
Notes: 1. Per one device

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

Main Characteristic



Package Dimensions



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