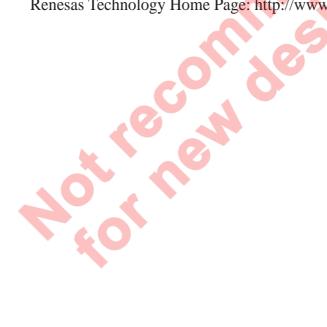
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Renesas Technology Corp. Customer Support Dept. April 1, 2003



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Silicon Epitaxial Planar Zener Diode for Surge Absorb

RENESAS

ADE-208-468B (Z)

Rev.2 Nov. 2002

Features

- HZM4.3FA has four devices, and can absorb surge.
- MPAK-5 Package is suitable for high density surface mounting and high speed assembly.

Ordering Information		S	
Туре No.	Laser Mark		Package Code
HZM4.3FA	43A		MPAK-5
Pin Arrangement	Leco	N	
			1. Cathode 2. Cathode 3. Cathode 4. Anode 5. Cathode

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	٥°C	

Note: Four device total, See Fig.2.

Electrical Characteristics*¹

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

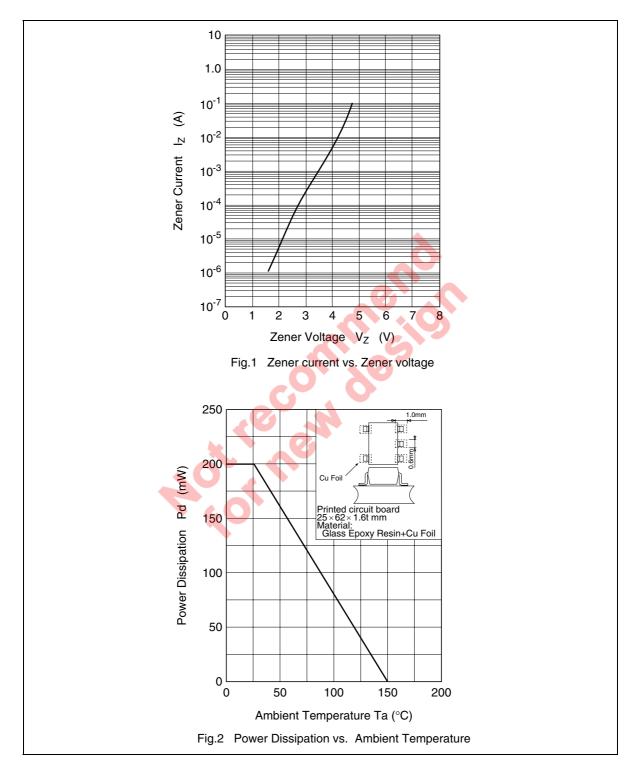
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Zener voltage	Vz	4.01	_	4.48	V	$I_z = 5 \text{ mA}, 40 \text{ ms pulse}$
Reverse current	I _R		_	10	μA	$V_{\rm B} = 1 \text{ V}$
Capacitance	С	_	_	150	pF	$V_{_{\rm H}} = 0$ V, f = 1 MHz
Dynamic resistance	r _d	_	_	130	Ω	$I_z = 5 \text{ mA}$
ESD-Capability *2	—	30	-	0	kV	$C = 150 \text{ pF}, \text{R} = 330 \Omega$, Both forward and reverse direction 10 pulse

Notes: 1. Per one device.

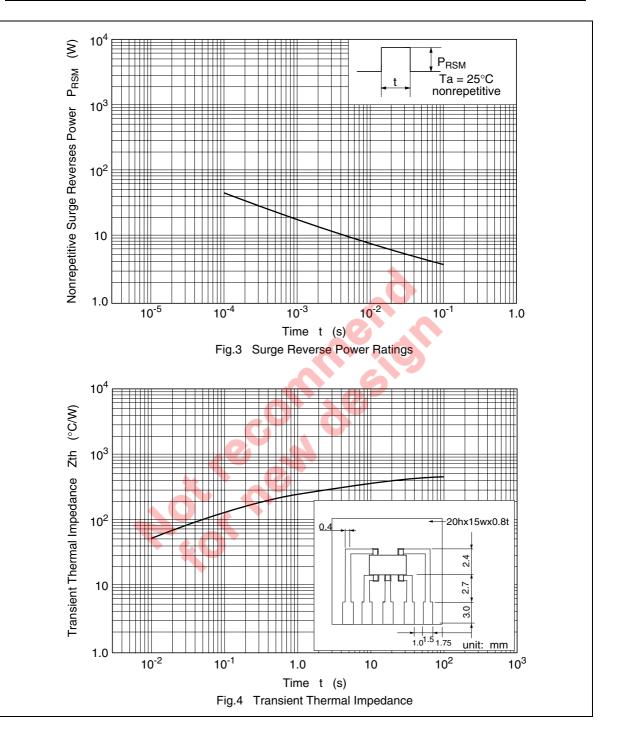
2. Failure criterion ; $I_{R} > 10 \ \mu A$ at $V_{R} = 1 \ V$.

Noti

Main Characteristic

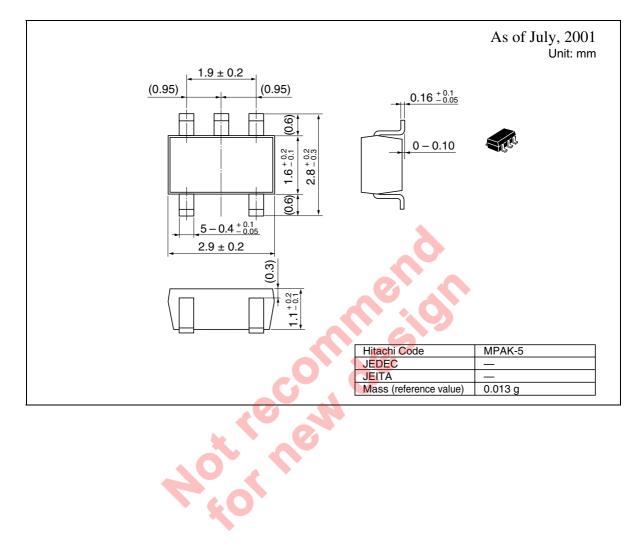


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Package Dimensions





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