RENESAS

HZM6.8Z4MFA

Silicon Planar Zener Diode for Surge Absorb

REJ03G0203-0100Z Rev.1.00 Mar.29.2004

Features

- HZM6.8Z4MFA has four devices in a monolithic, and can absorb surge.
- Low capacitance (C = 4.0 pF Typ / 4.5 pF max) and can protect ESD of signal line.
- MPAK-5 Package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Туре No.	Laser Mark	Package Code
HZM6.8Z4MFA	N2	MPAK-5

Pin Arrangement

Top View)	 Cathode Cathode Cathode Anode Cathode
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Absolute Maximum Ratings

				(Ta = 25°C)
Item	Symbol	Value	Unit	
Power dissipation	Pd *	200	mW	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-55 to +150	°C	

Note: Four device total, See Fig.2.

Electrical Characteristics *¹

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

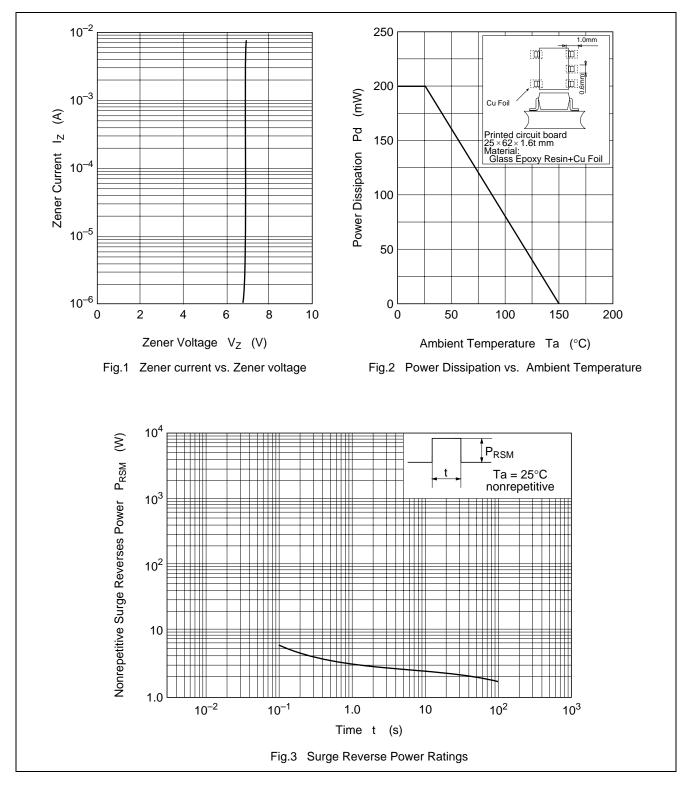
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Zener voltage	Vz	6.47	_	7.00	V	$I_Z = 5 \text{ mA}, 40 \text{ ms pulse}$
Reverse current	I _R	_	_	2	μA	V _R = 3.5 V
Capacitance	С	_	4.0	4.5	pF	$V_R = 0 V$, f = 1 MHz
Dynamic resistance	r _d	_	_	30	Ω	$I_Z = 5 \text{ mA}$
ESD-Capability *2	_	8	_	_	kV	C = 150 pF, R = 330 Ω , Both forward and
						reverse direction 10 pulse

Notes: 1. Per one device.

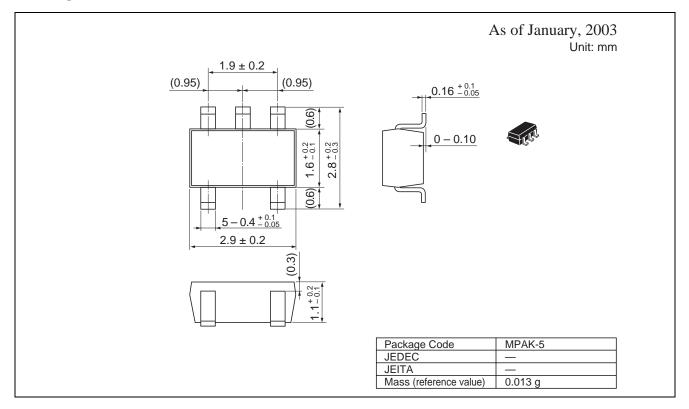
2. Failure criterion ; $I_R>2~\mu A$ at V_R = 3.5 V.



Main Characteristic



Package Dimensions





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