

HZC6.2Z4

Silicon Planar Zener Diode for Surge Absorb

REJ03G1720-0100 Rev.1.00 Jan 13, 2009

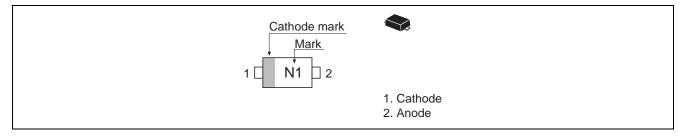
Features

- Low capacitance (C = 4.0 pF max) and can protect ESD of signal line.
- Ultra small Flat lead Package (UFP) is suitable for compact and high-density surface mount design.

Ordering Information

Part No.	Laser Mark	Package Name	Package Code	Taping Abbreviation (Quantity)
HZC6.2Z4TRF	N1	UFP	PWSF0002ZA-A	TRF (4,000 pcs / reel)

Pin Arrangement



Absolute Maximum Ratings

Item	Symbol	Value	Unit mW	
Power dissipation	Pd *	150		
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-55 to +150	°C	
Noto: Soo Fig 2		*		

Note: See Fig.2.

Electrical Characteristics

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

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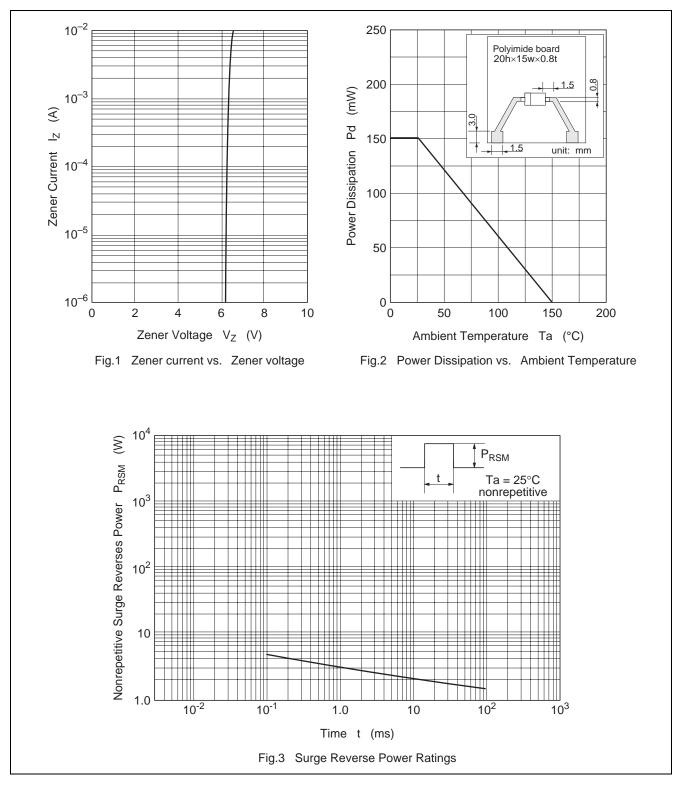
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Zener voltage	Vz	5.90	—	6.50	V	$I_Z = 5 \text{ mA}, 40 \text{ ms pulse}$
Reverse current	I _R	—	—	3	μΑ	V _R = 5.5 V
Capacitance	С	_	—	4.0	pF	V _R = 0 V, f = 1 MHz
Dynamic resistance	r _d	—	—	60	Ω	$I_Z = 5 \text{ mA}$
ESD-Capability *1*2	—	8	_	_	kV	C = 150 pF, R = 330 Ω , Both forward
						and reverse direction 10 pulse

Notes: 1. Failure criterion ; $I_R > 3 \ \mu A$ at $V_R = 5.5 \ V$.

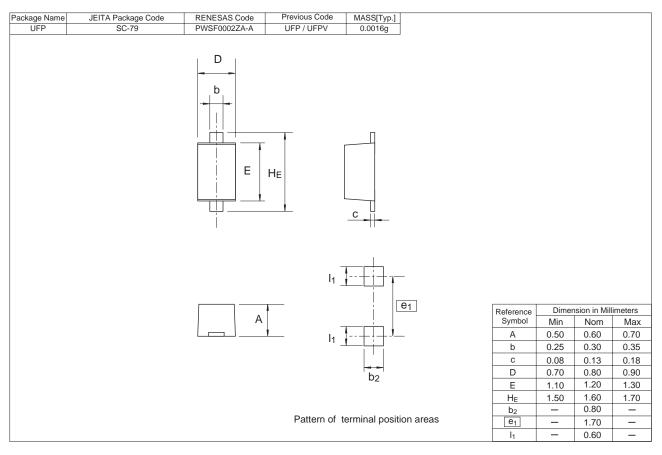
2. Between cathode and anode.

3. In the UFP package, some lead is exposed because the tip of the lead is used as the cutting plane. Therefore, the solderability of the lead tip has been ignored. Please test and confirm before use.

Main Characteristics



Package Dimensions



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