Panasonic

Zener Diode DZ2S240×0L

DZ2S240×0L Silicon epitaxial planar type

For constant voltage / For surge absorption circuit DZ2J240 in SSMini2 type package

Features

- · Excellent rising characteristics of zener current Iz
- Low zener operating resistance Rz
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: DG or DR

Packaging

Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)

■ Absolute Maximum Ratings Ta = 25 °C							
Parameter	Symbol	Rating	Unit				
Repetitive peak forward current	IFRM	200	mA				
Total power dissipation *1	PT	150	mW				
Electrostatic discharge ^{*2}	ESD	±8	kV				
Junction temperature	Tj	150	°C				
Operating ambient temperature	Topr	-40 to +85	°C				
Storage temperature	Tstg	-55 to +150	°C				

Note) *1 Mounted on glass epoxy print board (45 mm × 45 mm × 1 mm) Solder in (0.8 mm × 0.6 mm)

*2 Test method : IEC61000_4_2

(C = 150 pF, R = 330 Ω , Contact discharge : 10 times)



*3 Tj = 25 °C to 150 °C

Electrical Characteristics Ta - 25 C ± 5 C							
Parameter	Symbol	Conditions	Min	Тур	Max	Unit	
Forward voltage	VF	IF = 10 mA			1.0	V	
Zener voltage *1, *2	VZ	IZ = 5 mA	22.80		25.20	V	
Zener operating resistance	RZ	IZ = 5 mA			100	Ω	
Zener rise operating resistance	RZK	IZ = 0.5 mA			120	Ω	
Reverse current	IR	VR = 19 V			0.05	μA	
Temperature coefficient of zener voltage *3	SZ	IZ = 5 mA		24.0		mV/°C	

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.

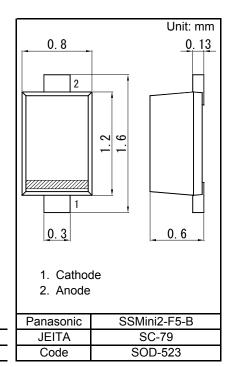
2. Absolute frequency of input and output is 5 MHz.

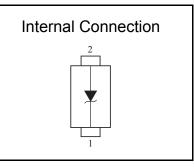
3. *1 The temperature must be controlled 25 °C for VZ mesurement.

VZ value measured at other temperature must be adjusted to VZ (25 °C).

*2 VZ guaranted 20 ms after current flow Rank classification

Code	M M			0			
Rank				No-rank			
VZ	23.50	to	24.70	22.80	to	25.20	
Marking symbol	DR			DG			

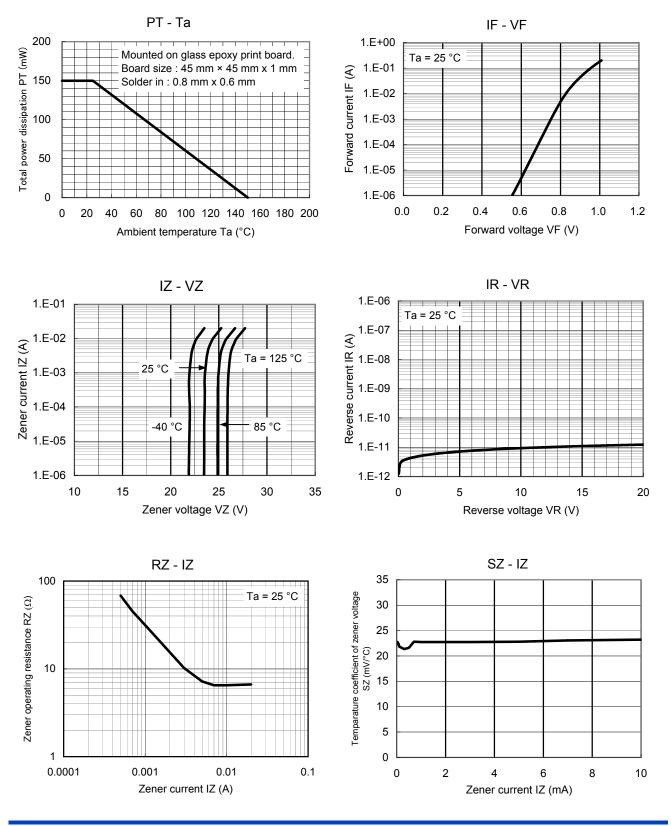






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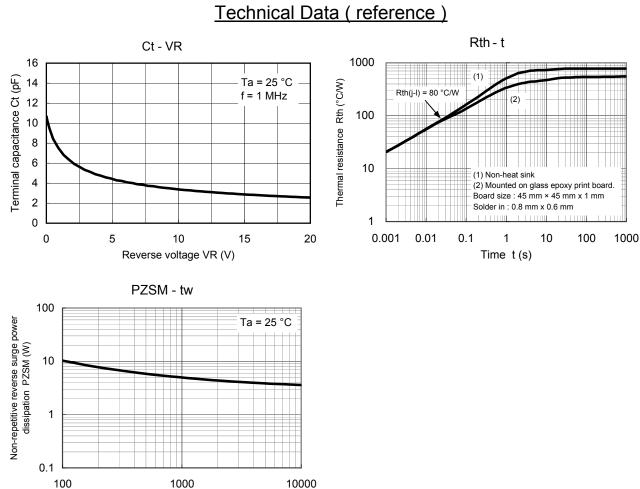
Technical Data (reference)



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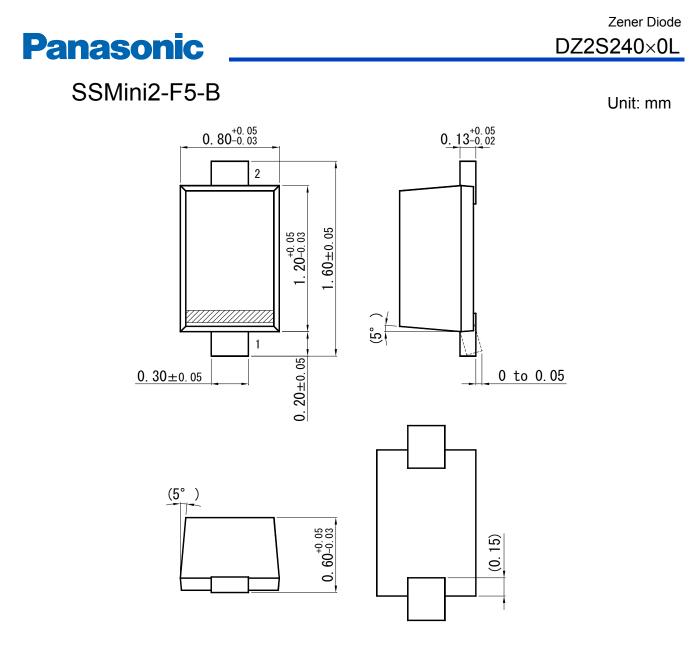
Established : 2009-11-12 Revised : 2013-07-24 **Panasonic**

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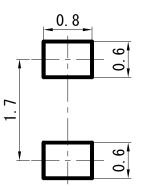


Pulse width tw (µs)

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Land Pattern (Reference) (Unit: mm)



Established : 2009-11-12 Revised : 2013-07-24

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