Panasonic

Zener Diode DZ2J160×0L

DZ2J160×0L Silicon epitaxial planar type

For constant voltage / For surge absorption circuit

- 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: XJ or XU

Packaging

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

Absolute Maximum Ratings	Ta = 25 °C
Parameter	Symbol

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

storage temperature Istg Note) *1 Mounted on glass epoxy print board ($45~mm \times 45~mm \times 1~mm$) Solder in (Recommended land pattern)

*2 Test method : IEC61000_4_2

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

Electrical Characteristics $Ta = 25 \circ C + 3 \circ C$

*3 Tj = 25 °C to 150 °C

Electrical characteristics Ta = 25 °C ± 3 °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	15.30		16.80	V
Zener operating resistance	RZ	IZ = 5 mA			50	Ω
Zener rise operating resistance	RZK	IZ = 0.5 mA			80	Ω
Reverse current	IR	VR = 12 V			0.05	μA
Temperature coefficient of zener voltage *3	SZ	IZ = 5 mA		14.2		mV/°C

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

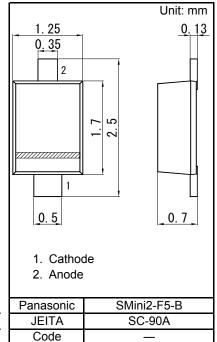
2. Absolute frequency of input and output is 5 MHz.

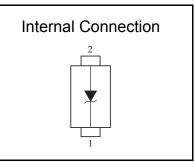
3. *1 The temperature must be controlled 25 °C for VZ mesurement.

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	15.70	to	16.50	15.30	to	16.80
	Marking symbol	XU		XJ			

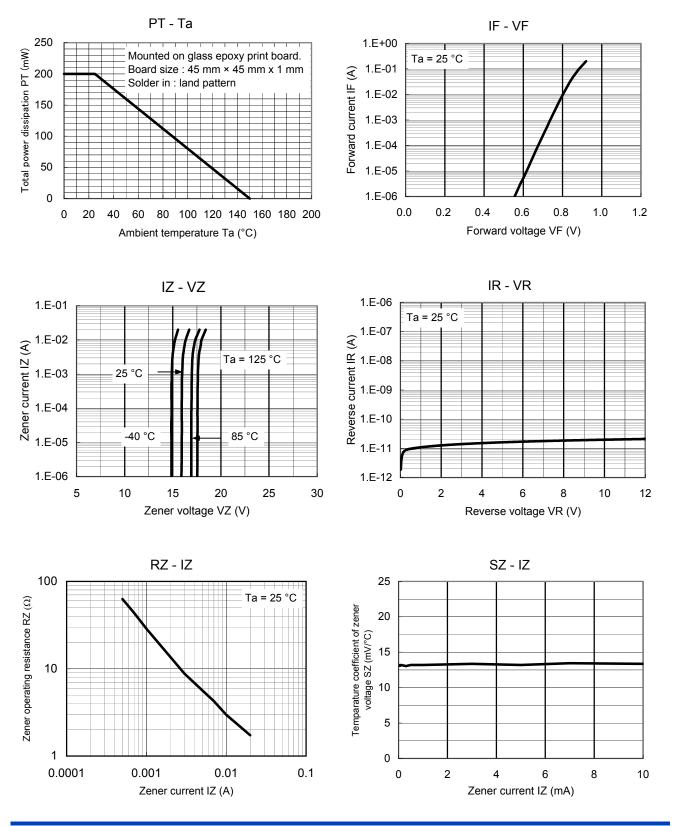






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Technical Data (reference)



Page 2 of 4

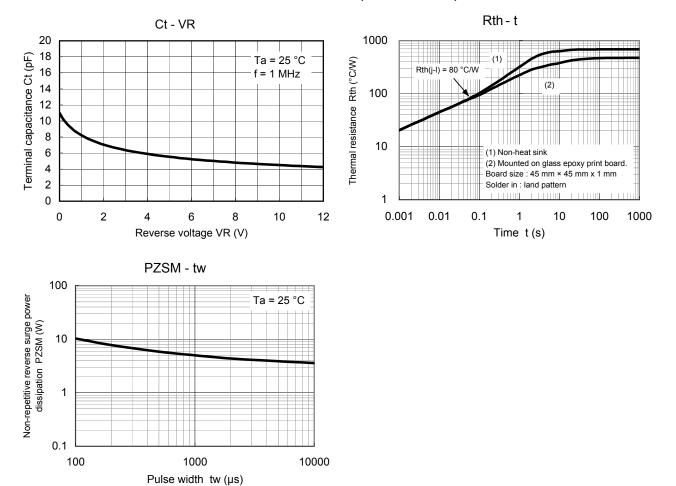
Established : 2009-10-14 Revised : 2013-07-12

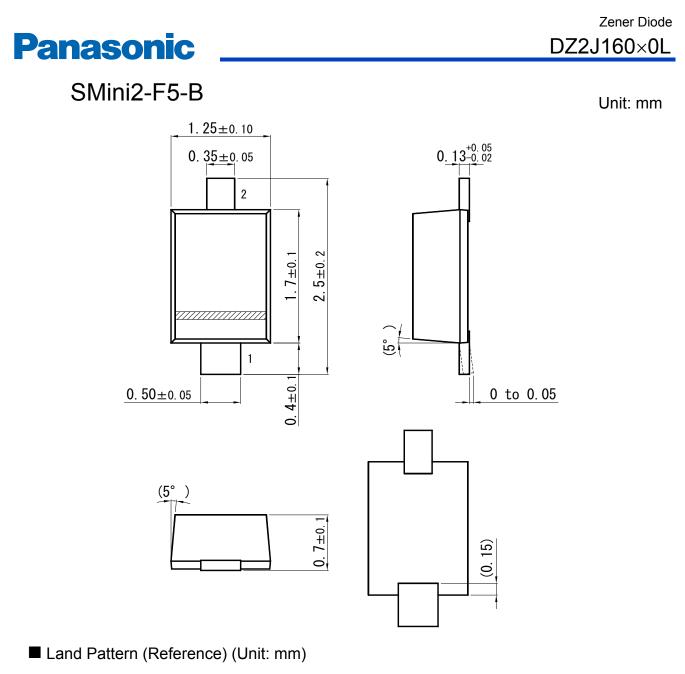


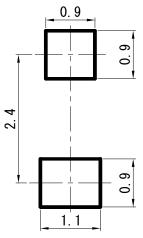


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