Panasonic

Zener Diode DZ2J068×0L

DZ2J068×0L 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: GJ or GU

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	200	mW			
Electrostatic discharge ^{*2}	ESD	±15	kV			
Junction temperature	Tj	150	С°			
Operating ambient temperature	Topr	-40 to +85	С°			
Storage temperature	Tstg	-55 to +150	С°			

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

\blacksquare 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	6.46		7.14	V
Zener operating resistance	RZ	IZ = 5 mA			20	Ω
Zener rise operating resistance	RZK	IZ = 0.5 mA			60	Ω
Reverse current	IR	VR = 4 V			0.1	μA
Temperature coefficient of zener voltage *3	SZ	IZ = 5 mA		3.2		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.

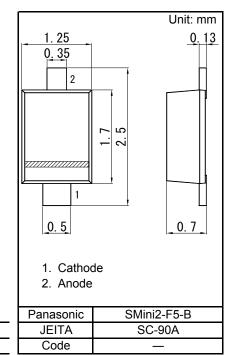
3. *1 The temperature must be controlled 25 °C for VZ mesurement.

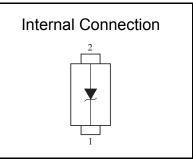
VZ value measured at other temperature must be adjusted to VZ (25 °C).

Rank classification *2 VZ guaranted 20 ms after current flow

*3	Tj = 25	5 °C to 150 °C
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k classification				
Code	М	0		
Rank	М	No-rank		
VZ	6.64 to 6.98	6.46 to 7.14		
Marking symbol	GU	GJ		

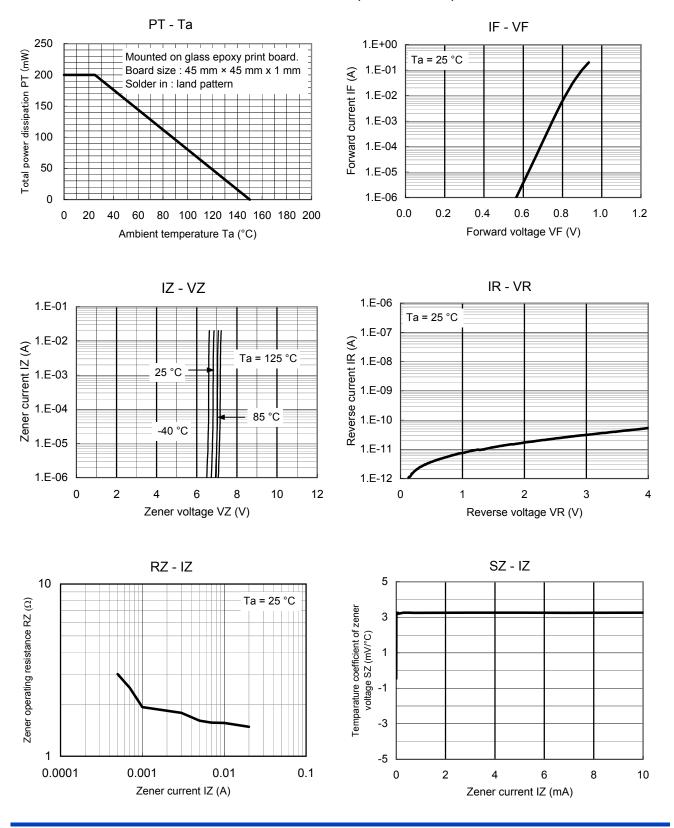






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Technical Data (reference)



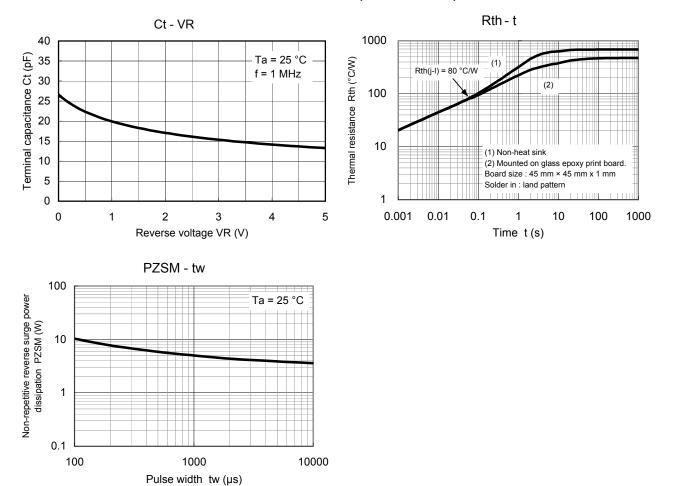
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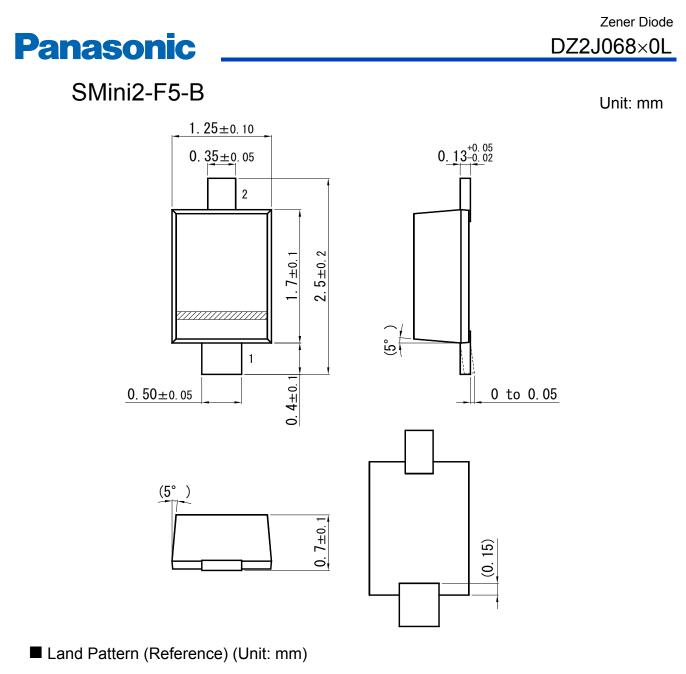
Established : 2009-10-14 Revised : 2013-07-03

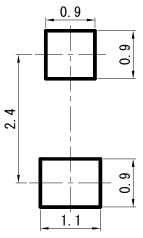


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