Panasonic

Zener Diode DZ2716000L

DZ2716000L Silicon epitaxial planar type

For constant voltage / For surge absorption circuit DZ2S160 in SSSMini2 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: XJ

Packaging

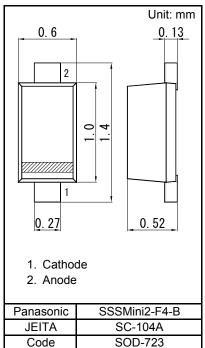
Embossed type (Thermo-compression sealing) 10 000 pcs / reel (standard)

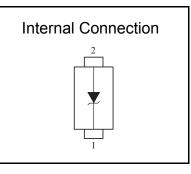
■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Repetitive peak forward current	IFRM	200	mA
Total power dissipation ^{*1}	PT	120	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

Tstg -55 to +150 Note) *1: Mounted on glass epoxy print board. (45 mm x 45 mm x 1 mm) Solder in (0.4 mm x 0.3 mm)

*2: Test method:IEC61000 4 2(C = 150 pF,R = 330 Ω , Contact discharge:10 times)





■ 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.

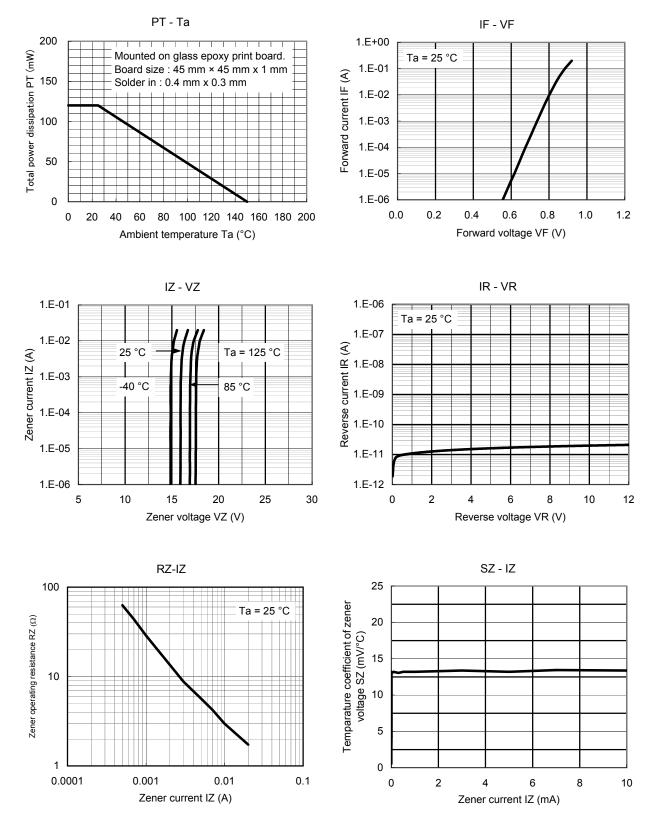
*3 Tj = 25 °C to 150 °C





Zener Diode DZ2716000L

Technical Data (reference)

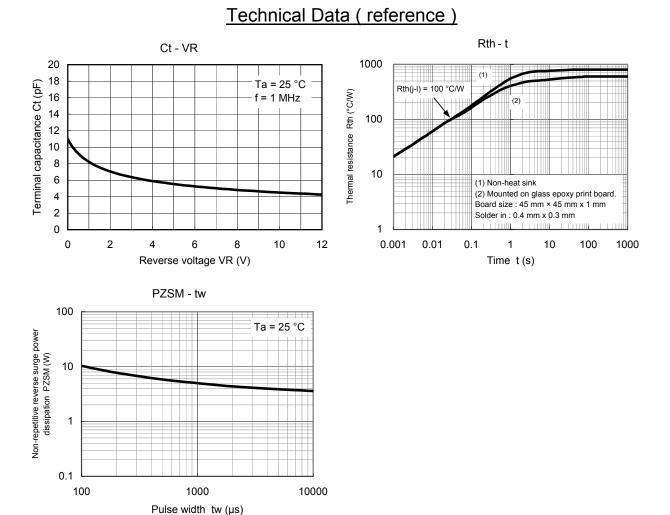


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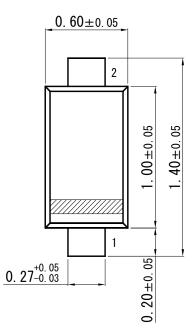


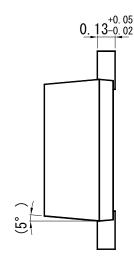


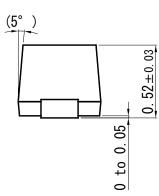
Zener Diode DZ2716000L

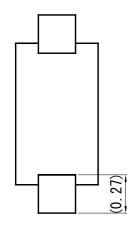
Unit: mm

SSSMini2-F4-B

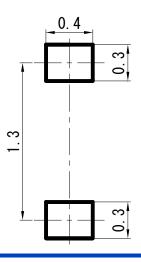








Land Pattern (Reference) (Unit: mm)



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