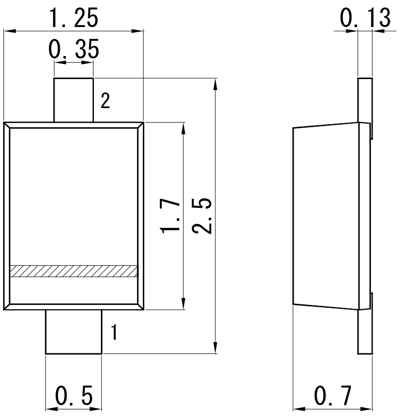
DZ2J360×0L

Silicon epitaxial planar type

For constant voltage / For surge absorption circuit

Unit: mm



1. Cathode
2. Anode

Panasonic	SMini2-F5-B
JEITA	SC-90A
Code	—

■ 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: JG or JR

■ Packaging

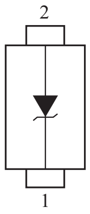
Embossed type (Thermo-compression sealing) : 3 000 pcs / reel (standard)

■ 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	±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 (Recommended land pattern)
*2 Test method : IEC61000_4_2
(C = 150 pF, R = 330 Ω, Contact discharge : 10 times)

Internal Connection



■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 10 mA			1.0	V
Zener voltage [*1, *2]	VZ	IZ = 2 mA	34.20		37.80	V
Zener operating resistance	RZ	IZ = 2 mA			250	Ω
Zener rise operating resistance	RZK	IZ = 0.5 mA			250	Ω
Reverse current	IR	VR = 27 V			0.05	μA
Temperature coefficient of zener voltage [*3]	SZ	IZ = 2 mA		35.4		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

Rank classification

Code	M	0
Rank	M	No-rank
VZ	35.10 to 36.90	34.20 to 37.80
Marking symbol	JR	JG