DZ2J056

Silicon epitaxial planar type

For constant voltage / For surge absorption circuit

Features

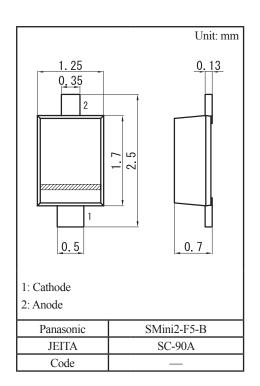
- \bullet Excellent rising characteristics of zener current $I_{\rm z}$
- \bullet Low zener operating resistance $R_{\rm Z}$
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL: Level 1 compliant)
- Marking Symbol: DJ, DU

Packaging

DZ2J056×0L Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)

Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter	Symbol Rating		
Repetitive peak forward current	I _{FRM}	200	mA
Total power dissipation *1	P _T	200	mW
Electrostatic discharge *2	ESD	±15	kV
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C



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 $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 10 \text{ mA}$			1.0	V
Zener voltage *1, 2, 4	VZ	$I_Z = 5 \text{ mA}$	5.32		5.88	V
Zener operating resistance	R _Z	$I_Z = 5 \text{ mA}$			40	Ω
Zener rise operating resistance	R _{ZK}	$I_{Z} = 0.5 \text{ mA}$			200	Ω
Reverse current	I _R	V _R =2.5 V			0.5	μΑ
Temperature coefficient of zener voltage *3	SZ	$I_Z = 5 \text{ mA}$		1.6		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.

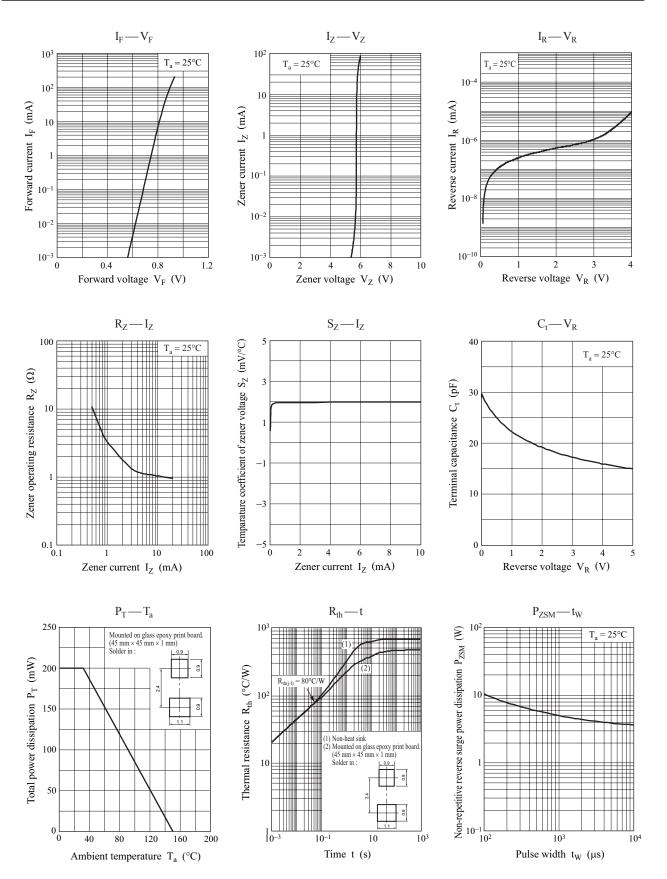
3. *1: The temperature must be controlled 25°C for V_Z measurement. V_Z value measured at other temperature must be adjusted to V_Z (25°C) *2: V_Z guaranteed 20 ms after current flow.

*3: $T_i = 25^{\circ}C$ to 150°C

*4: Rank classification

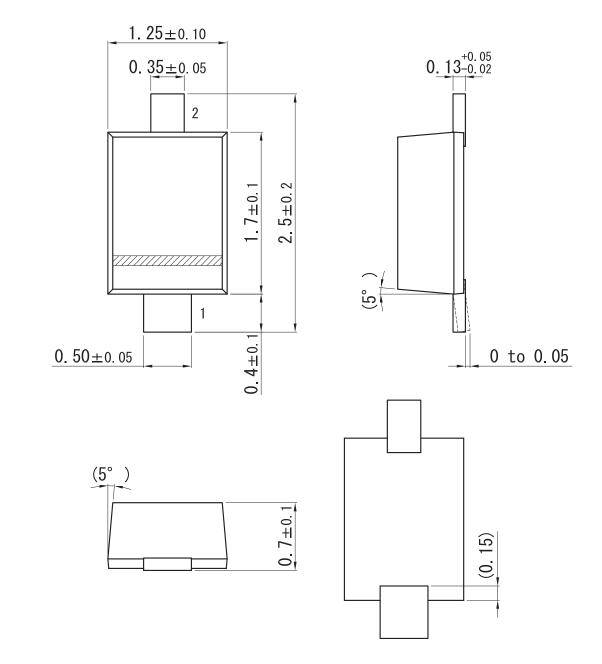
Code	М	0
Rank	М	No-rank
Vz	5.48 to 5.76	5.32 to 5.88
Marking Symbol	DU	DJ

Panasonic

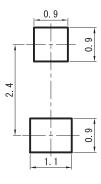


Unit: mm

SMini2-F5-B



Land Pattern (Reference) (Unit: mm)



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