DZ2S062

Silicon epitaxial planar type

For constant voltage / For surge absorption circuit DZ2J062 in SSMini2 type package

■ Features

- \bullet Excellent rising characteristics of zener current $\boldsymbol{I}_{\boldsymbol{z}}$
- Low zener operating resistance R_Z
- Halogen-free / RoHs compliant
 (EU RoHS / UL-94 V-0 / MSL: Level 1 compliant)

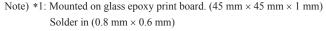
■ Marking Symbol: FJ, FU

■ Packaging

DZ2S062×0L Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)

■ Absolute Maximum Ratings $T_a = 25$ °C

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



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

Unit: mm 0.8 0.13 2 0.13 1: Cathode 2: Anode Panasonic SSMini2-F5-B JEITA SC-79 Code SOD-523

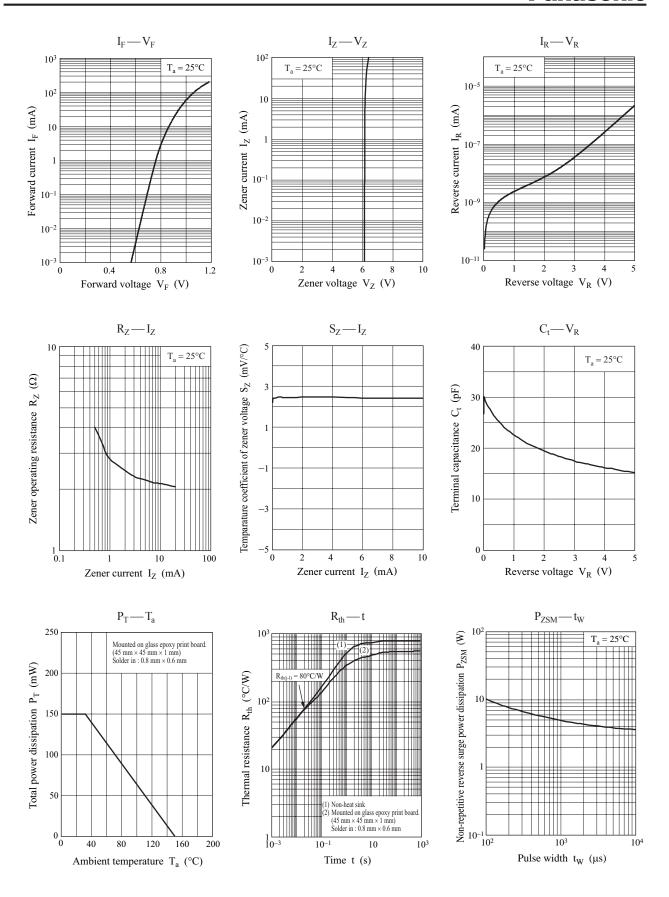
■ Common Electrical Characteristics $T_a = 25$ °C±3°C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 10 \text{ mA}$			1.0	V
Zener voltage *1, 2, 4	V _Z	$I_Z = 5 \text{ mA}$	5.89		6.51	V
Zener operating resistance	R_Z	$I_Z = 5 \text{ mA}$			30	Ω
Zener rise operating resistance	R _{ZK}	$I_Z = 0.5 \text{ mA}$			100	Ω
Reverse current	I_R	$V_R = 4.0 \text{ V}$			0.2	μΑ
Temperature coefficient of zener voltage *3	S _Z	$I_Z = 5 \text{ mA}$		2.4		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 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: $T_j = 25^{\circ}C$ to $150^{\circ}C$
 - *4: Rank classification

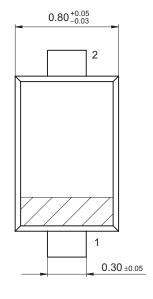
Code	М	0
Rank	M	No-rank
V_Z	6.05 to 6.36	5.89 to 6.51
Marking Symbol	FU	FJ

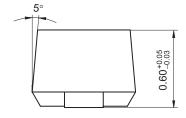


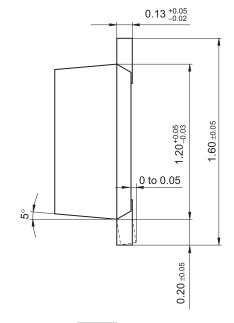
2 Ver. EED

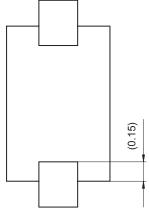
SSMini2-F5-B

Unit: mm

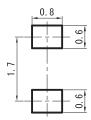








■ Land Pattern (Reference) (Unit: mm)



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