DZ2S082

Silicon epitaxial planar type

For constant voltage / waveform clipper and surge absorption circuit Low noise type DZ2J082 in SSMini2 package

■ Features

- Excellent rising characteristics of zener current I_z
- Eco-friendly Halogen-free package

■ Packaging

Embossed type (Thermo-compression sealing): 3000 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 *	P _T	150	mW	
Junction temperature	T_j	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	

Note) *: $P_T = 150 \text{ mW}$ achieved with a printed circuit board.

■ Package

Code

SSMini2-F5-B

- Pin Name
 - 1. Cathode
 - 2. Anode
- Marking Symbol: JJ, JU

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

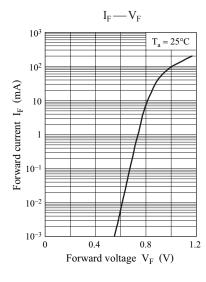
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F}	$I_F = 10 \text{ mA}$			1.0	V
Zener voltage *1,2,4	V _Z	$I_Z = 5 \text{ mA}$	7.79		8.61	V
Zener operating resistance	R_Z	$I_Z = 5 \text{ mA}$			20	Ω
Zener rise operating resistance	R _{ZK}	$I_Z = 0.5 \text{ mA}$			60	Ω
Reverse current	I_R	$V_R = 5 V$			0.1	μΑ
Temperature coefficient of zener voltage *3	S_Z	$I_Z = 5 \text{ mA}$		4.7		mV/°C

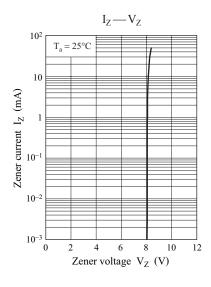
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

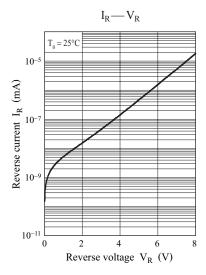
- 2. Absolute frequency of input and output is 5 MHz.
- 3. *1: The temperature must be controlled 25°C for V_Z measurement. V_Z value measured at other temperature must be adjusted to V_Z (25°C)
 - $*2: V_Z$ guaranteed 20 ms after current flow.
 - *3: $T_j = 25^{\circ}C$ to $150^{\circ}C$
 - *4: Rank classification

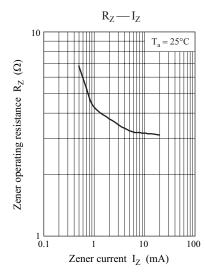
Code	M	0	
Rank	M	No-rank	
V_Z	8.03 to 8.43	7.79 to 8.61	
Marking Symbol	ЛU	JJ	
Marking Symbol	JU	JJ	

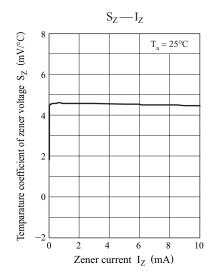
DZ2S082 Panasonic

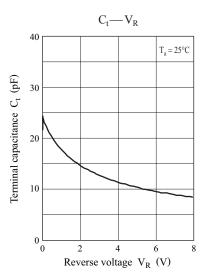








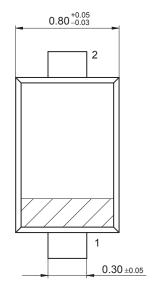


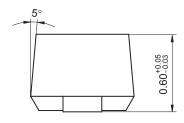


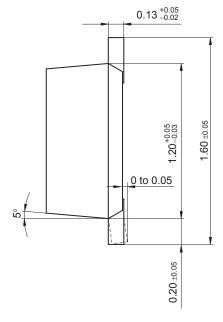
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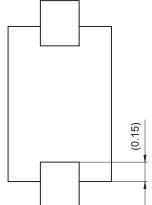
SSMini2-F5-B

Unit: mm









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