DZ2S068

Silicon epitaxial planar type

For constant voltage / waveform clipper and surge absorption circuit Low noise type DZ2J068 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: GJ, GU

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

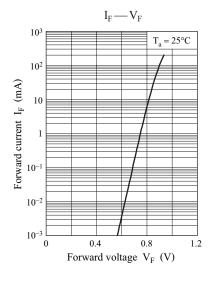
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 10 \text{ mA}$			1.0	V
Zener voltage *1, 2, 4	V _Z	$I_Z = 5 \text{ mA}$	6.46		7.14	V
Zener operating resistance	R_Z	$I_Z = 5 \text{ mA}$			20	Ω
Zener rise operating resistance	R _{ZK}	$I_Z = 0.5 \text{ mA}$			60	Ω
Reverse current	I_R	$V_R = 4 V$			0.1	μΑ
Temperature coefficient of zener voltage *3	S_Z	$I_Z = 5 \text{ mA}$		3.2		mV/°C

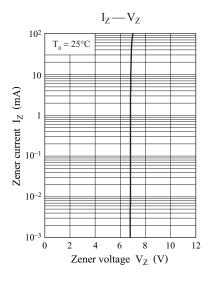
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

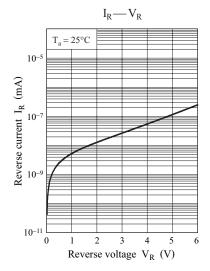
- 2. Absolute frequency of input and output is 5 MHz.
- 3. *1: The temperature must be controlled 25°C for V_Z measurement. V_Z value measured at other temperature must be adjusted to V_Z (25°C)
 - *2: V_Z guaranteed 20 ms after current flow.
 - *3: $T_i = 25^{\circ}C$ to $150^{\circ}C$
 - *4: Rank classification

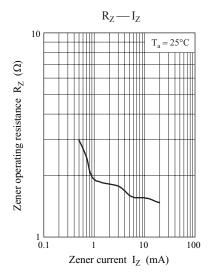
Code	М	0	
Rank	М	No-rank	
V_Z	6.64 to 6.98	6.46 to 7.14	
Marking Symbol	GU	GJ	

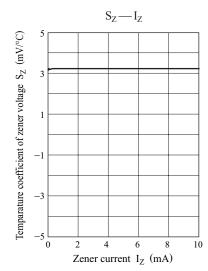
DZ2S068 Panasonic

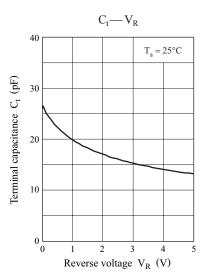








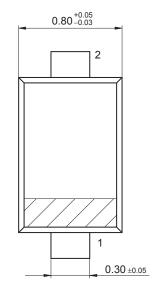


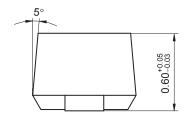


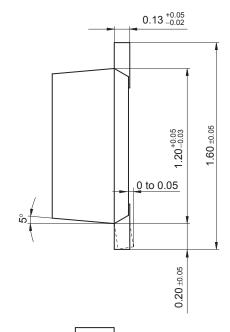
2 ZKE00062BED

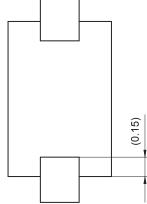
SSMini2-F5-B

Unit: mm









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