## **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<sub>z</sub>
- 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 <sub>stg</sub>	-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

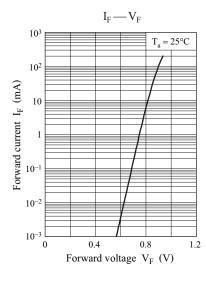
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V <sub>F</sub>	$I_F = 10 \text{ mA}$			1.0	V
Zener voltage *1,2,4	V <sub>Z</sub>	$I_Z = 5 \text{ mA}$	6.46		7.14	V
Zener operating resistance	$R_Z$	$I_Z = 5 \text{ mA}$			20	Ω
Zener rise operating resistance	R <sub>ZK</sub>	$I_Z = 0.5 \text{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

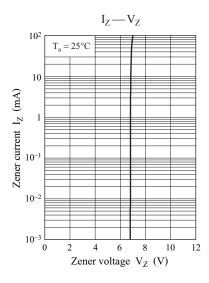
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

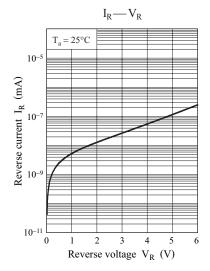
- 2. Absolute frequency of input and output is 5 MHz.
- 3. \*1: The temperature must be controlled 25°C for  $V_Z$  measurement.  $V_Z$  value measured at other temperature must be adjusted to  $V_Z$  (25°C)
  - \*2:  $V_Z$  guaranteed 20 ms after current flow.
  - \*3:  $T_i = 25^{\circ}C$  to  $150^{\circ}C$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

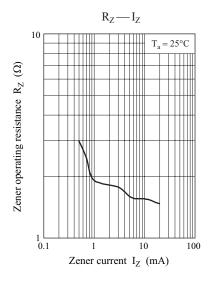
Code	М	0
Rank	М	No-rank
$V_Z$	6.64 to 6.98	6.46 to 7.14
Marking Symbol	GU	GJ

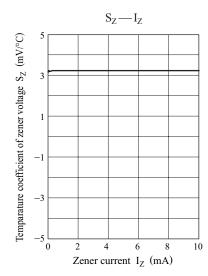
DZ2S068 Panasonic

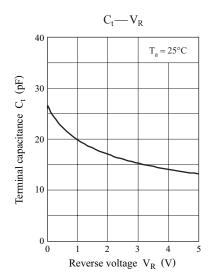








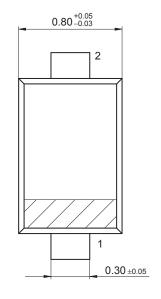


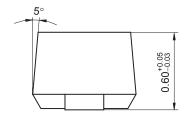


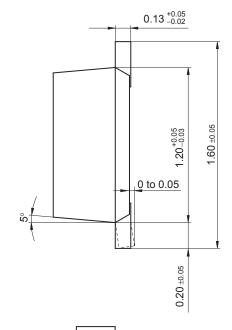
2 ZKE00062BED

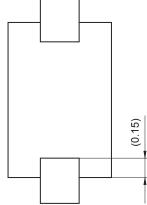
## SSMini2-F5-B

Unit: mm









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