DZ2J056

Silicon epitaxial planar type

For constant voltage / waveform clipper and surge absorption circuit Low noise type

■ 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	200	mW
Junction temperature	T_j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Note) *: P_T = 200 mW achieved with a printed circuit board.

■ Package

• Code

SMini2-F5-B

• Pin Name

1: Cathode 2: Anode

■ Marking Symbol: DJ, DU

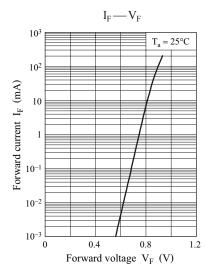
■ Electrical Characteristics $T_a = 25$ °C±3°C

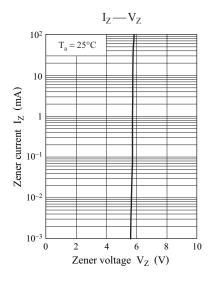
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 10 \text{ mA}$			1.0	V
Zener voltage *1, 2, 4	V _Z	$I_Z = 5 \text{ mA}$	5.32		5.88	V
Zener operating resistance	R_Z	$I_Z = 5 \text{ mA}$			40	Ω
Zener rise operating resistance	R _{ZK}	$I_Z = 0.5 \text{ mA}$			200	Ω
Reverse current	I_R	$V_R = 2.5 V$			0.5	μΑ
Temperature coefficient of zener voltage *3	S_Z	$I_Z = 5 \text{ mA}$		1.6		mV/°C

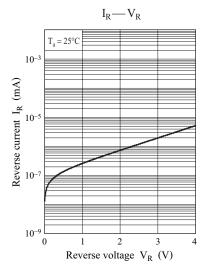
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. Absolute frequency of input and output is 5 MHz.
 - 3. *1: The temperature must be controlled 25°C for V_Z measurement. V_Z value measured at other temperature must be adjusted to V_Z (25°C)
 - *2: V_Z guaranteed 20 ms after current flow.
 - *3: $T_j = 25^{\circ}C$ to $150^{\circ}C$
 - *4: Rank classification

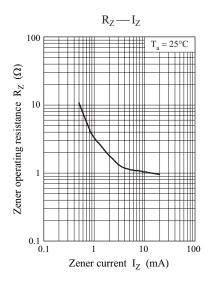
Code	М	0	
Rank	M	No-rank	
V_Z	5.48 to 5.76	5.32 to 5.88	
Marking Symbol	DU	DJ	

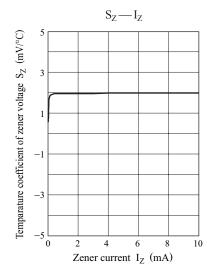
DZ2J056 Panasonic

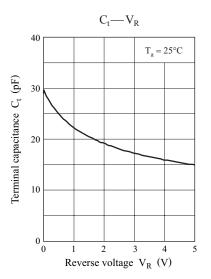








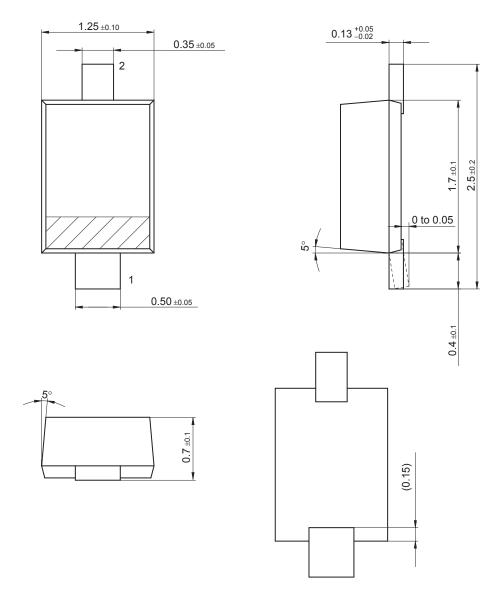




2 ZKE00055BED

SMini2-F5-B

Unit: mm



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