Panasonic

DE2S062

Silicon epitaxial planar type

For ESD protection

Features

- High electrostatic discharge ESD
- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

Packaging

Embossed type (Thermo-compression sealing): 10000 pcs / reel (standard)

Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit
Total power dissipation ^{*1}	P _T	150	mW
Electrostatic discharge *2	ESD	±30	kV
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Note) *1: $P_T = 150$ mW achieved with a printed circuit board.

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

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Parameter	Symbol	Conditions	Min	Тур	Max	Unit	
Zener voltage *1,2	VZ	$I_R = 1 \text{ mA}$	5.89		6.51	V	
Reverse current	I _R	$V_R = 4 V$			1	μΑ	
Terminal capacitance	Ct	$V_{R} = 0 V, f = 1 MHz$		55		pF	
Temperature coefficient of zener voltage *3	Sz	$I_Z = 1 \text{ mA}$		2.3		mV/°C	

Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

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

2. *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.

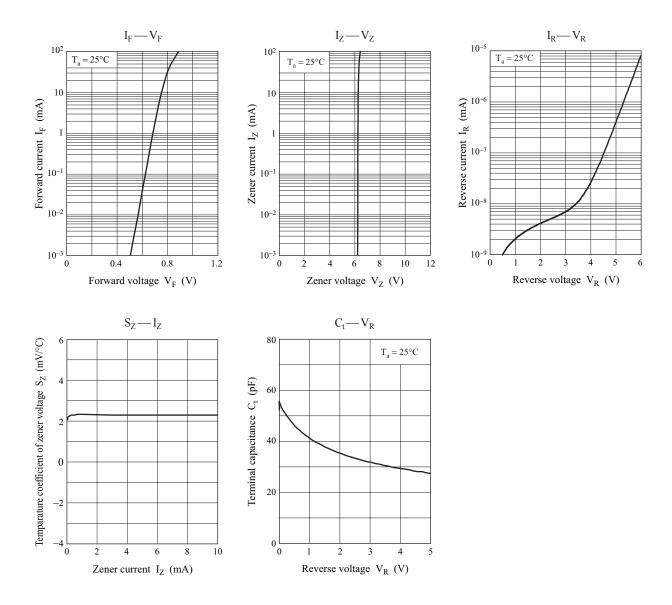
*3: $T_j = 25^{\circ}C$ to $150^{\circ}C$



- Code
 SSMini2-F5-B
- Pin Name
- 1. Cathode
 - 2. Anode
- Marking Symbol: E1

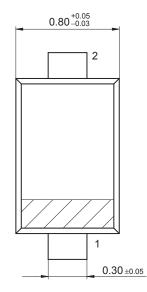
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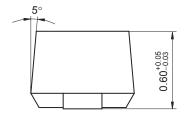
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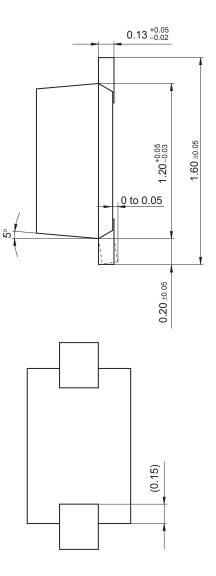


SSMini2-F5-B

Unit: mm







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