Zener Diode

DE5S062D0R

Panasonic

DE5S062D0R

Silicon epitaxial planar type

For ESD protection DE3S062D in SSMini5 type package

■ Features

- High ESD
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol:41
- Basic Part Number : Dual DE3S062D (Common anode)

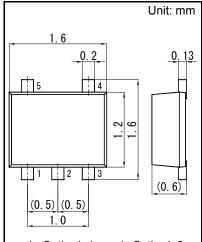
Packaging

Embossed type (Thermo-compression sealing) 8 000 pcs / reel (standard)

■ Absolute Maximum Ratings Ta = 25 °C

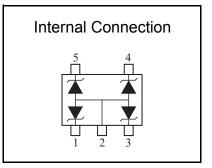
Parameter	Symbol	Rating	Unit
Total power dissipation *1	PT	150	mW
Electrostatic discharge *2	ESD	±30	kV
Junction temperature	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +150	°C

Note) *1: PT = 150 mW achieved with a printed circuit board. (4 Diode total)



- 1. Cathode1
- 4 Cathode3
- 2. Anode1,2,3,4 5. Cathode4
- 3. Cathode2

Panasonic	SSMini5-F4-B
JEITA	SC-107BB
Code	SOT-665



■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Zener voltage *1, *2	VZ	IZ = 1 mA	5.89		6.51	V
Reverse current	IR	VR = 4 V			1.0	μA
Terminal Capacitance	Ct	VR = 0 V, $f = 1 MHz$		55		pF
Temperature coefficient of zener voltage *3	SZ	IZ = 1 mA		2.3		mV/°C

- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.
 - *1: The temperature must be controlled 25°C for VZ mesurement.
 VZ value measured at other temperature must be adjusted to VZ (25°C)
 - *2: VZ guaranted 20 ms after current flow.
 - *3: Tj = 25°C to 150°C

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^{*2:} Test method:IEC61000_4_2(C = 150 pF,R = 330 Ω , Contact discharge:10 times)

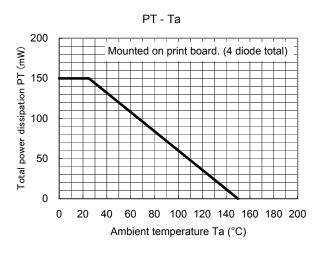
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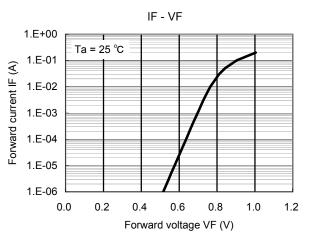
Revision. 2

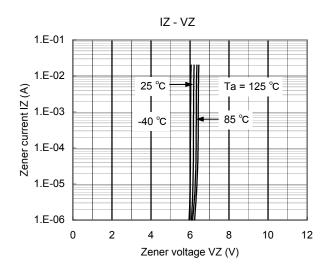
Zener Diode

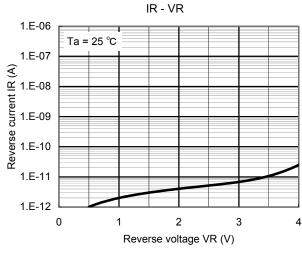
DE5S062D0R

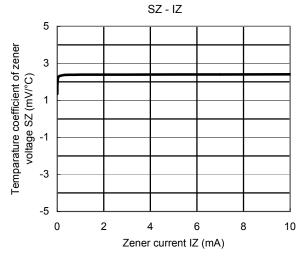
Technical Data (reference)

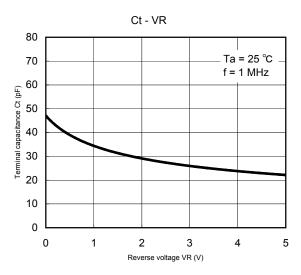












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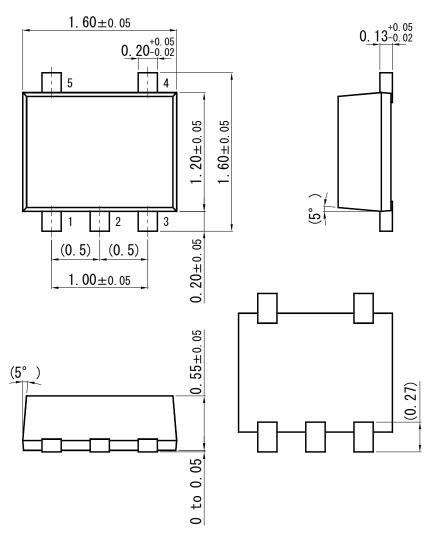
Zener Diode

DE5S062D0R

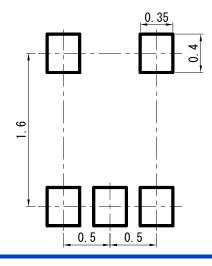
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Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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