

Zener Diode DD5X062J0R

Unit: mm

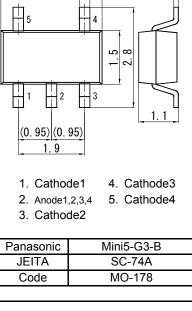
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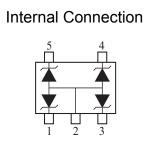
DD5X062J0R Silicon epitaxial planar type For surge absorption circuit 2.9 DD3X062J in Mini5 type package 0.3 5 Features · Low terminal capacitance Ct Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant) H2 + 1 **|**-||3 Marking Symbol:51 (0. 95) (0. 95) Basic Part Number : 1.9 Quad. DD2S062 (Common anode) Packaging 1. Cathode1 Embossed type (Thermo-compression sealing) 3 000 pcs / reel (standard) 2. Anode1,2,3,4 3. Cathode2 ■ Absolute Maximum Ratings Ta = 25 °C Panasonic JEITA

Parameter	Symbol	Rating	Unit			
Repetitive peak forward current	IFRM	200	mA			
Total power dissipation ^{*1}	PT	200	mW			
Electrostatic discharge ^{*2}	ESD	±15	kV			
Junction temperature	Tj	150	°C			
Operating ambient temperature	Topr	-40 to +85	°C			
Storage temperature	Tstg	-55 to +150	°C			

Note) *1: PT = 200mW achieved with a printed circuit board. (4 Diode total)

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





Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 10 mA			1.0	V
Zener voltage *1, *2	VZ	IZ = 5 mA	5.90		6.50	V
Zener operating resistance	RZ	IZ = 5 mA			30	Ω
Zener rise operating resistance	RZK	IZ = 0.5 mA			100	Ω
Reverse current	IR	VR = 5.5 V			3	μA
Temperature coefficient of zener voltage *3	SZ	IZ = 5 mA		2.5		mV/°C
Terminal Capacitance	Ct	VR = 0 V, f = 1 MHz		10		pF

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 VZ mesurement.

VZ value measured at other temperature must be adjusted to VZ (25°C)

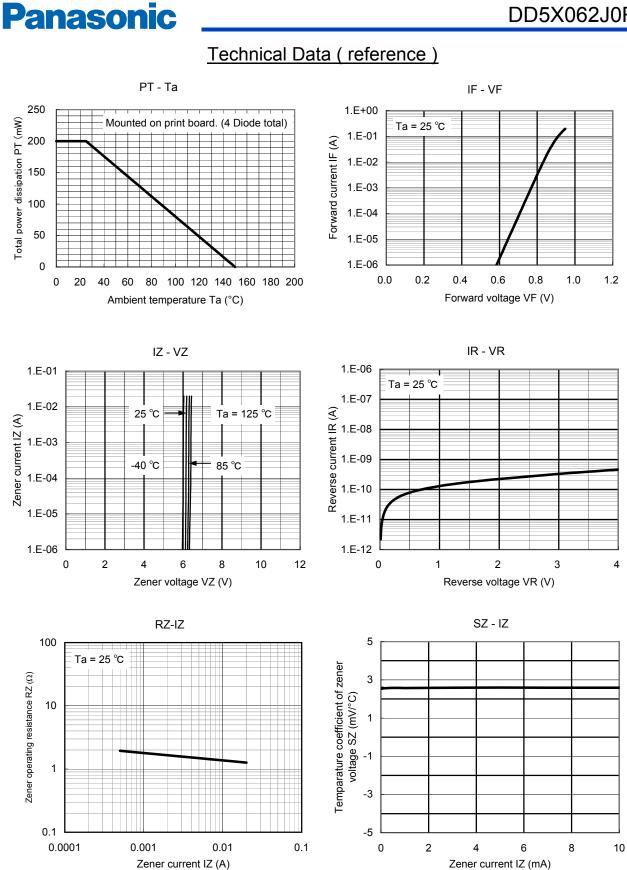
*2: VZ guaranted 20 ms after current flow.

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

*3: Tj = 25°C to 150°C



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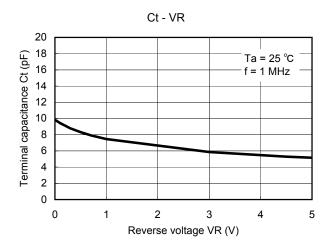
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Technical Data (reference)



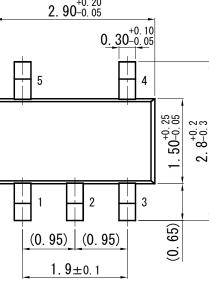
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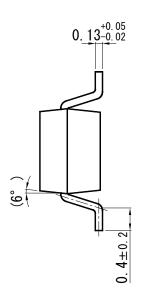


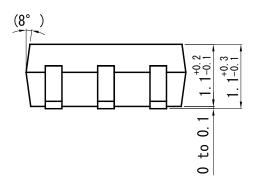
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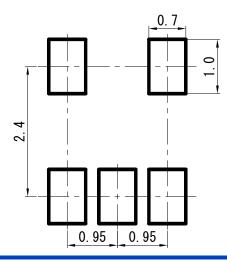
Mini5-G3-B







Land Pattern (Reference) (Unit: mm)



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Established : 2012-02-16 Revised : 2013-11-01

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