



# DD3J062J0L

## Silicon epitaxial planar type

For surge absorption circuit  
 DD3X062J in SMini3 type package

### ■ Features

- Low terminal capacitance Ct
- Halogen-free / RoHS compliant  
 (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

### ■ Marking Symbol: 51

### ■ Basic Part Number :

Dual DD2S062 (Common anode)

### ■ Packaging

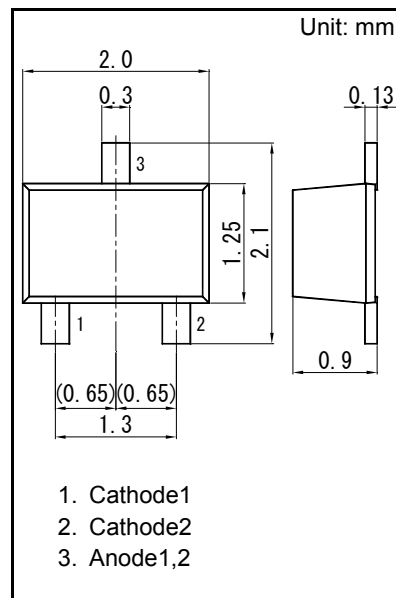
Embossed type (Thermo-compression sealing) 3 000 pcs / reel (standard)

### ■ Absolute Maximum Ratings Ta = 25 °C

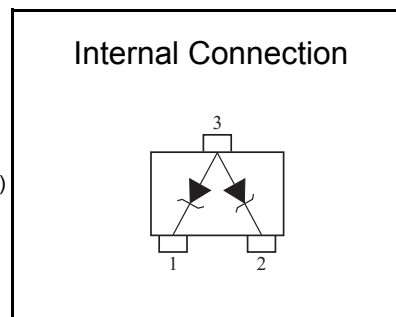
Parameter	Symbol	Rating	Unit
Repetitive peak forward current	IFRM	200	mA
Total power dissipation <sup>*1</sup>	PT	150	mW
Electrostatic discharge <sup>*2</sup>	ESD	±15	kV
Junction temperature	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +150	°C

Note) \*1: PT = 150mW achieved with a printed circuit board.

\*2: Test method: IEC61000\_4\_2(C = 150 pF, R = 330 Ω, Contact discharge: 10 times)



Panasonic	SMini3-F2-B
JEITA	SC-85
Code	—



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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 10 mA			1.0	V
Zener voltage <sup>*1, *2</sup>	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 <sup>*3</sup>	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.

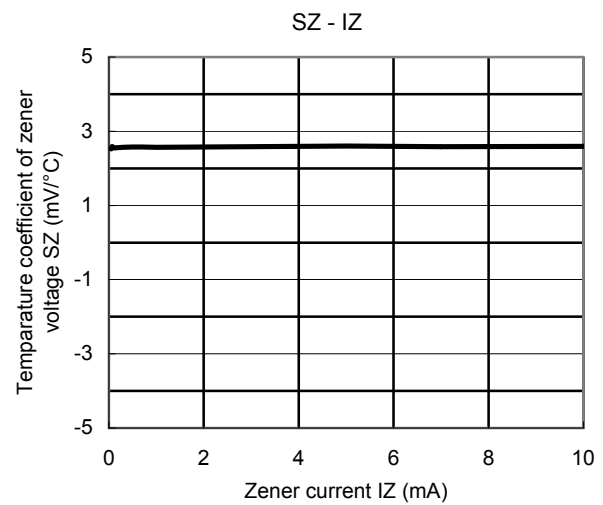
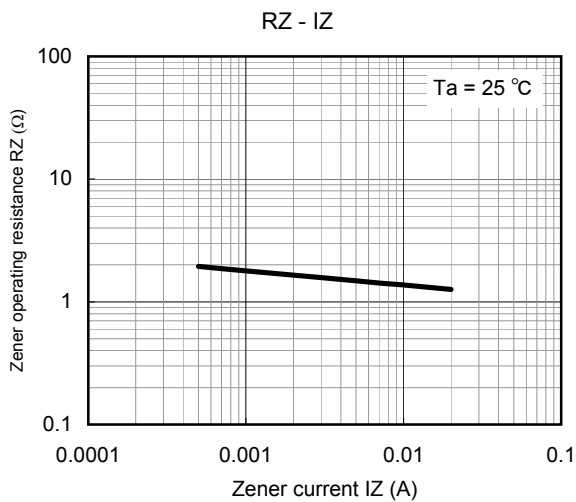
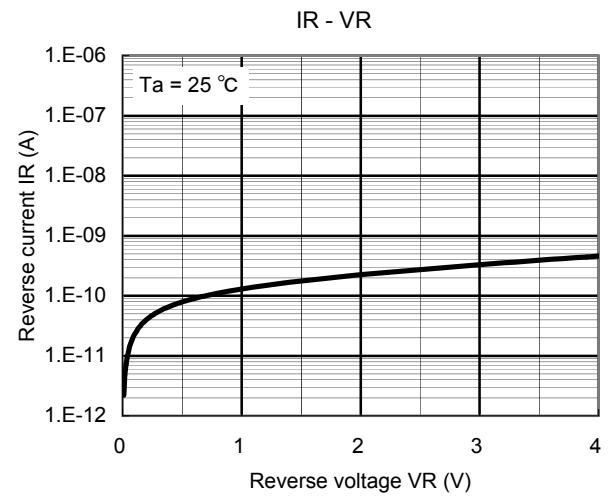
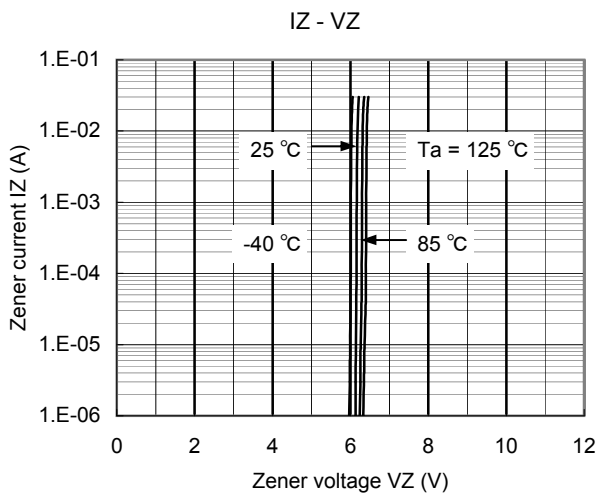
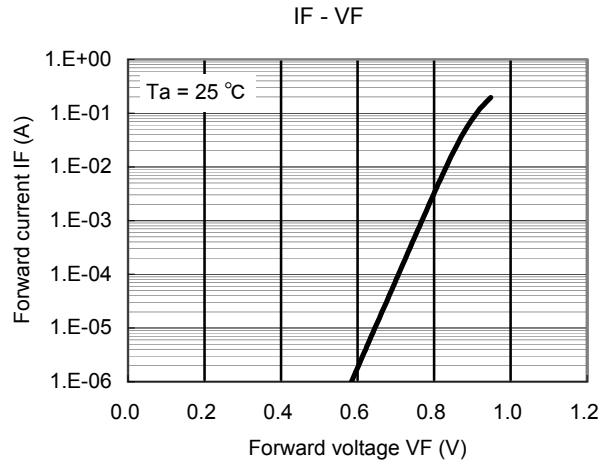
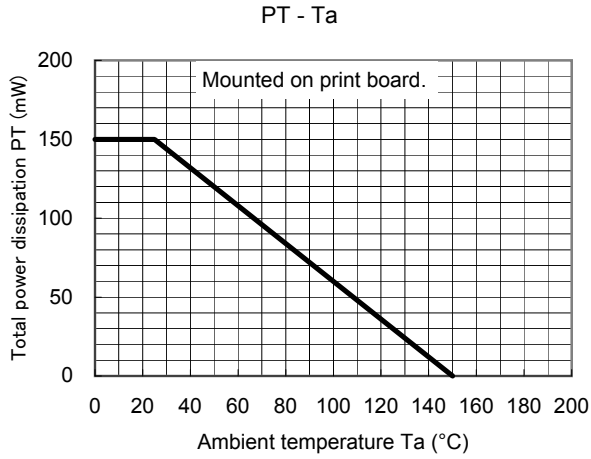
2. \*1: The temperature must be controlled 25°C for VZ measurement.

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

\*2: VZ guaranteed 20 ms after current flow.

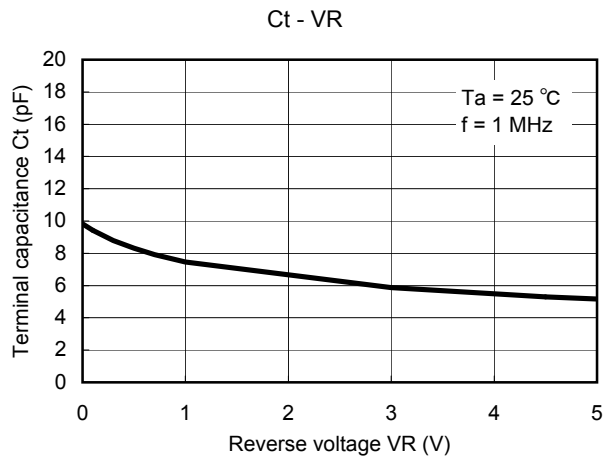
\*3: Tj = 25°C to 150°C

Technical Data ( reference )



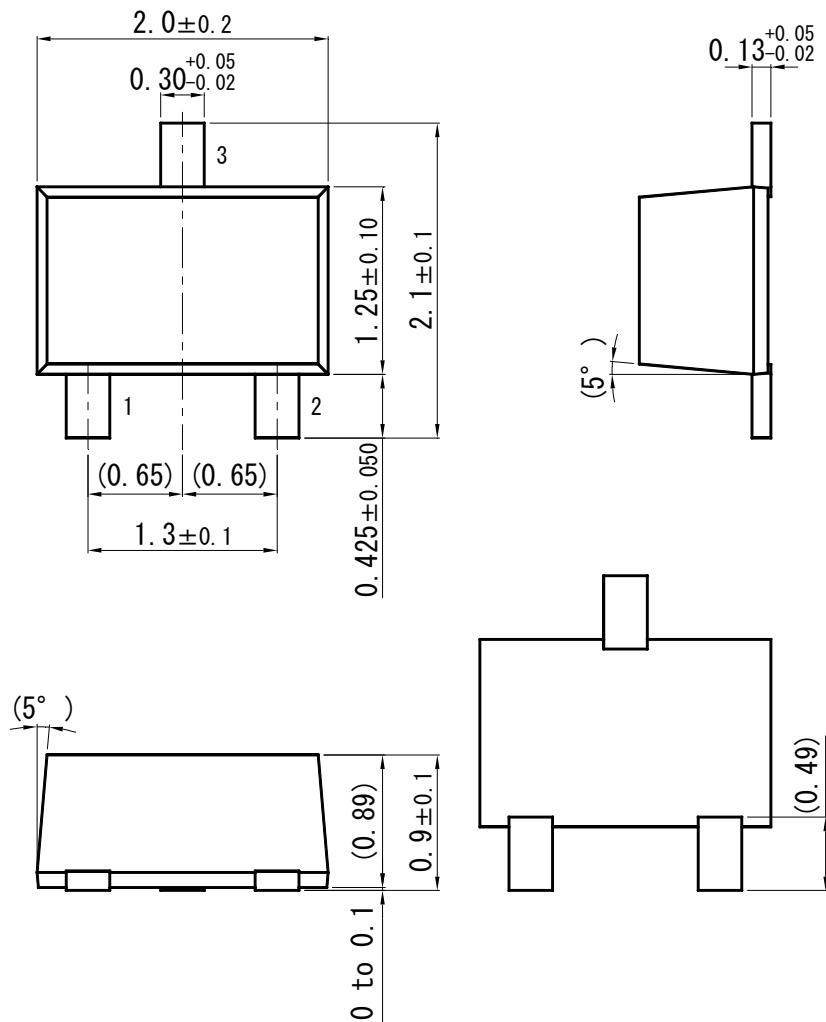


Technical Data ( reference )

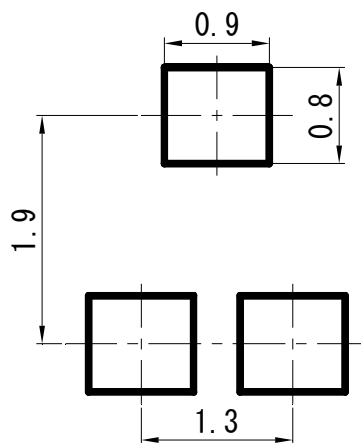


SMini3-F2-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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