



Switching Diode  
DA3X108K0L

## DA3X108K0L

Silicon epitaxial planar type

For small current rectification  
DA2J108 in Mini3 type package

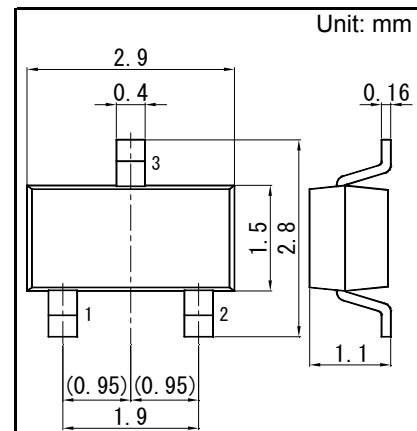
### ■ Features

- Small reverse current IR
- High reverse voltage VR
- Halogen-free / RoHS compliant  
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

### ■ Marking Symbol: 26

### ■ Packaging

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



1. Anode
2. NC
3. Cathode

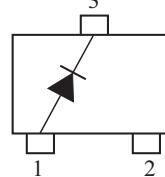
Panasonic	Mini3-G3-B
JEITA	SC-59A
Code	TO-236AA/SOT-23

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

Parameter	Symbol	Rating	Unit
Reverse voltage	VR	300	V
Maximum peak reverse voltage	VRM	300	V
Output current (Average)	IO (AV)	200	mA
Repetitive peak forward current	IFRM	225	mA
Non-repetitive peak forward surge current <sup>*1</sup>	IFSM	500	mA
Junction temperature	T <sub>j</sub>	150	°C
Operating ambient temperature	T <sub>opr</sub>	-40 to +85	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

Note) \*1: t = 1 s

### Internal Connection





Switching Diode

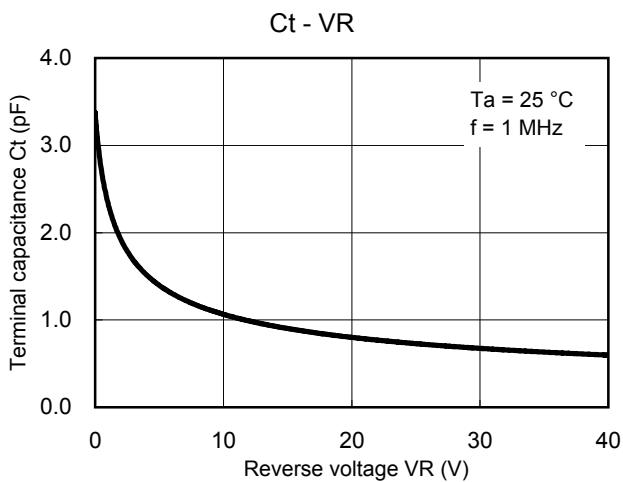
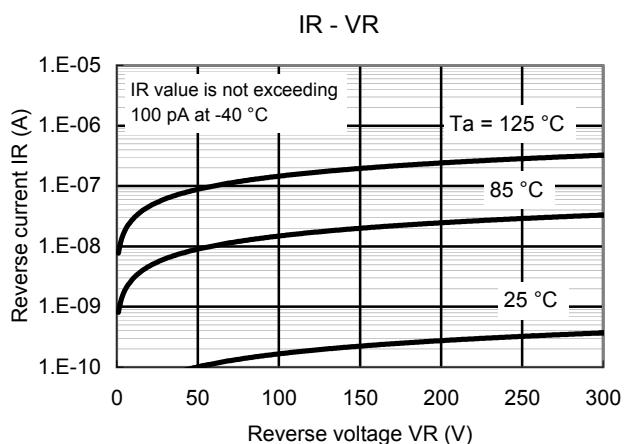
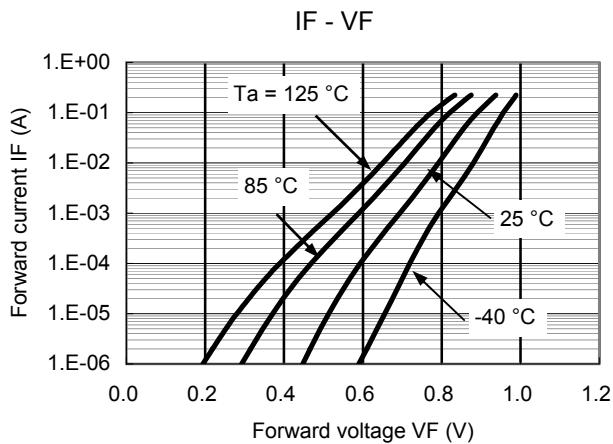
DA3X108K0L

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 200 mA			1.2	V
Reverse current	IR1	VR = 200 V			200	nA
	IR2	VR = 300 V			1	μA
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz		3.5		pF

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 3 MHz.

Technical Data ( reference )

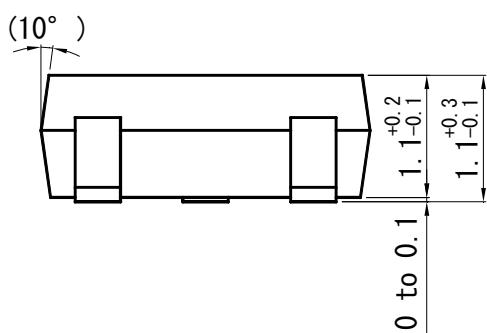
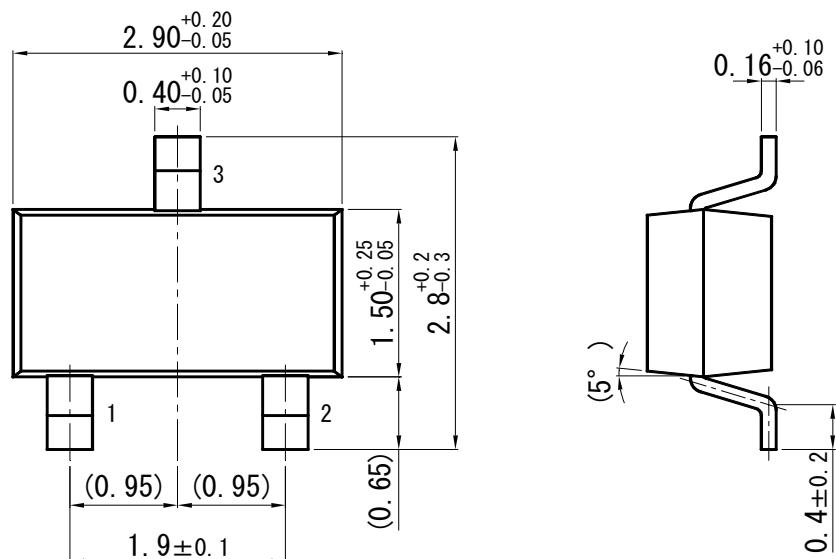


**Panasonic**

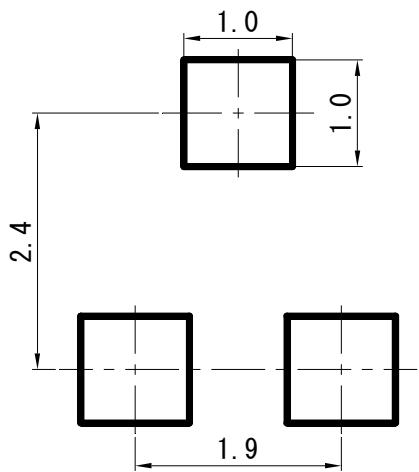
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Mini3-G3-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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