# imall

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DA3X103E0L

Switching Diode DA3X103E0L

Silicon epitaxial planar type

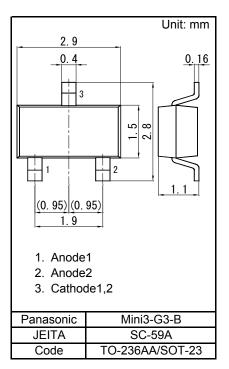
For high speed switching circuits DA3J103E in Mini3 type package

#### Features

- Short reverse recovery time trr
- Low terminal capacitance Ct
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: 24
- Basic Part Number : 2 elements cathode-common type

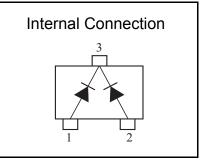
#### Packaging

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



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

	<b>J</b>	-			
Parameter		Symbol	Rating	Unit	
Reverse voltage		VR	80	V	
Maximum peak reverse voltage		VRM	80	V	
Forward current	Single	IF	100	mA	
	Double		150		
Peak forward current	Single	IFM	225	mA	
	Double		340		
Non-repetitive peak	Single	IFSM	500	mA	
forward surge current *1	Double		750		
Junction temperature		Tj	150	°C	
Operating ambient temperature		Topr	-40 to +85	С°	
Storage temperature		Tstg	-55 to +150	С°	



Note) \*1 t = 1 s

## **Panasonic**

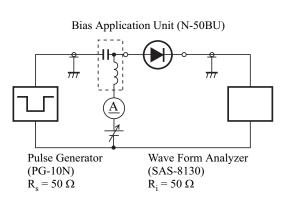
## Switching Diode DA3X103E0L

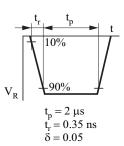
#### ■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit			
Forward voltage	VF	IF = 100 mA			1.2	V			
Reverse voltage	VR	IR = 100 μA	80			V			
Reverse current	IR	VR = 80 V			100	nA			
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz		2	15	pF			
Reverse recovery time *1	trr	IF = 10mA, VR = 6V Irr = 0.25 x IR		2	10	ns			

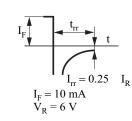
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.
Absolute frequency of input and output is 100 MHz.

3. \*1 trr test circuit





Input Pulse

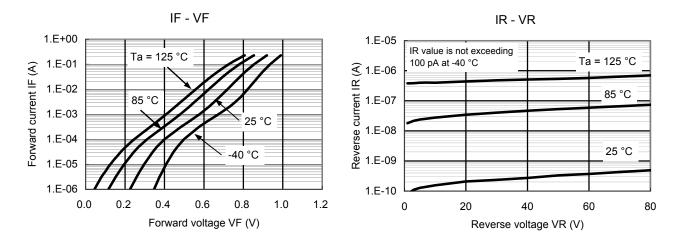


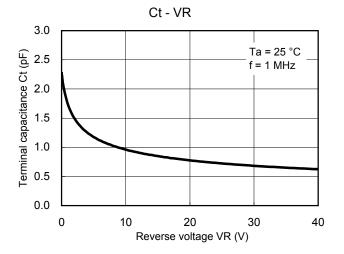
Output Pulse



Switching Diode DA3X103E0L

### Technical Data (reference)



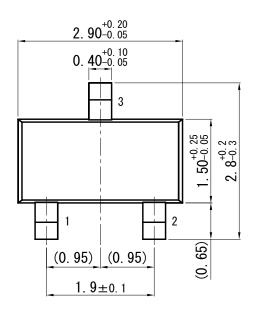


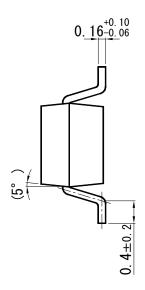
Established : 2010-02-22 Revised : 2013-06-28

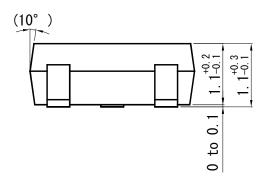


Switching Diode DA3X103E0L

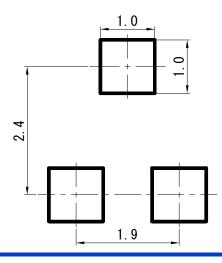
Unit: mm







Land Pattern (Reference) (Unit: mm)



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Mini3-G3-B

Established : 2010-02-22 Revised : 2013-06-28

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