



DA4X101K0R

Silicon epitaxial planar type

For high speed switching circuits

■ Features

- Small reverse current I_R
- Short reverse recovery time t_{rr}
- Halogen-free / RoHS compliant
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: 21

■ Basic Part Number :
Dual DA2J101 (Parallel)

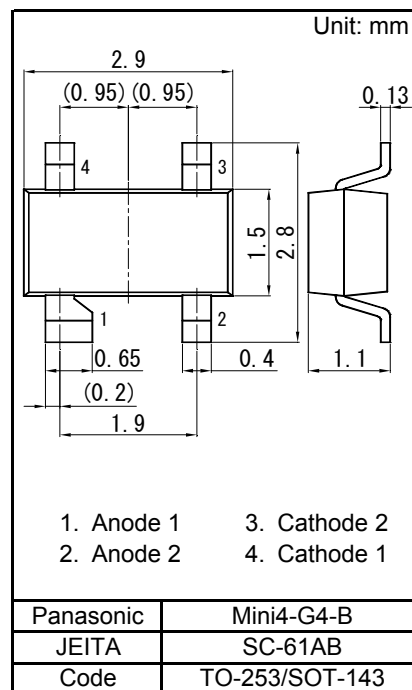
■ Packaging

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

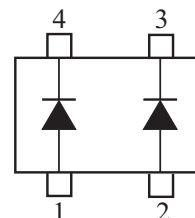
■ Absolute Maximum Ratings $T_a = 25\text{ }^{\circ}\text{C}$

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	80	V
Maximum peak reverse voltage	V_{RM}	80	V
Forward current (Average)	Single	100	mA
	Double	75	mA
Repetitive peak forward current	Single	225	mA
	Double	170	mA
Non-repetitive peak forward surge current ^{*1}	Single	500	mA
	Double	375	mA
Junction temperature	T_J	150	$^{\circ}\text{C}$
Operating ambient temperature	T_{opr}	-40 to +85	$^{\circ}\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^{\circ}\text{C}$

Note) ^{*1}: $t = 1\text{ s}$



Internal Connection



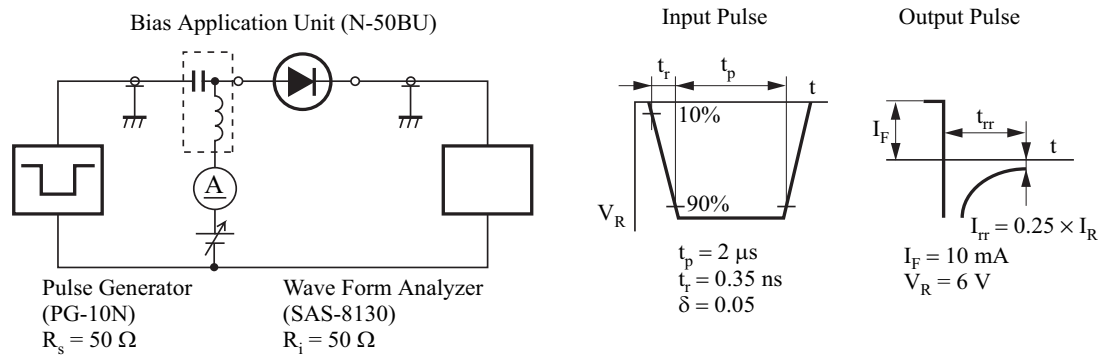
Panasonic

Switching Diode
DA4X101K0R

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

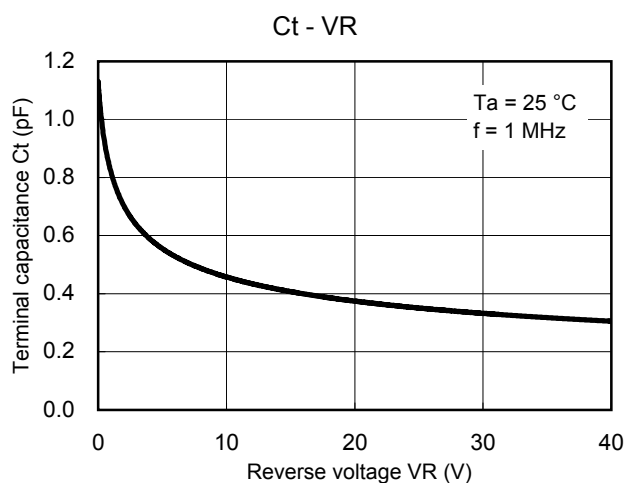
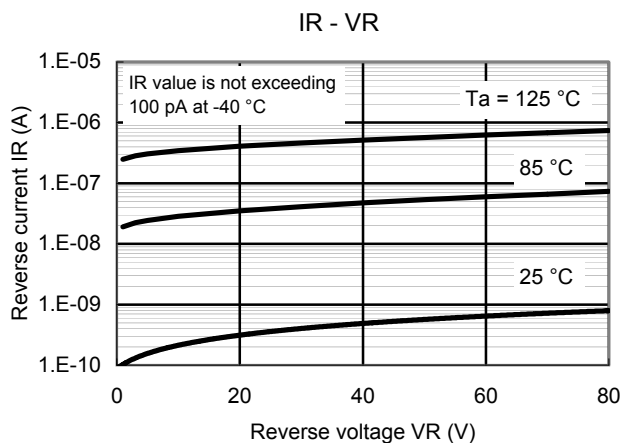
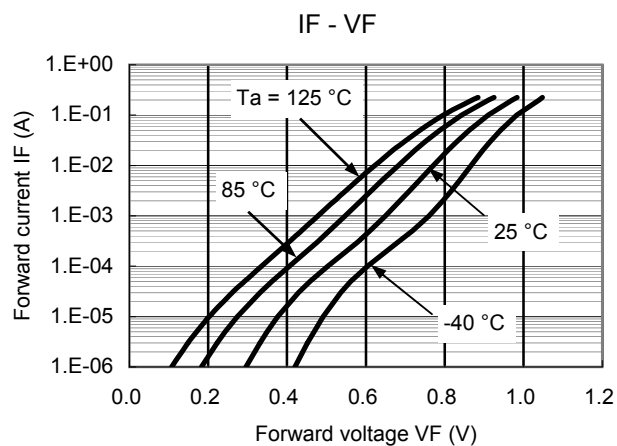
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 100 mA		0.95	1.20	V
Reverse voltage	VR	IR = 100 μA	80			V
Reverse current	IR	VR = 80 V			100	nA
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz		0.9	2.0	pF
Reverse recovery time *1	trr	IF = 10 mA , VR = 6 V Irr = 0.25 x IR			3	ns

- 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 100 MHz.
3. *1: trr test circuit





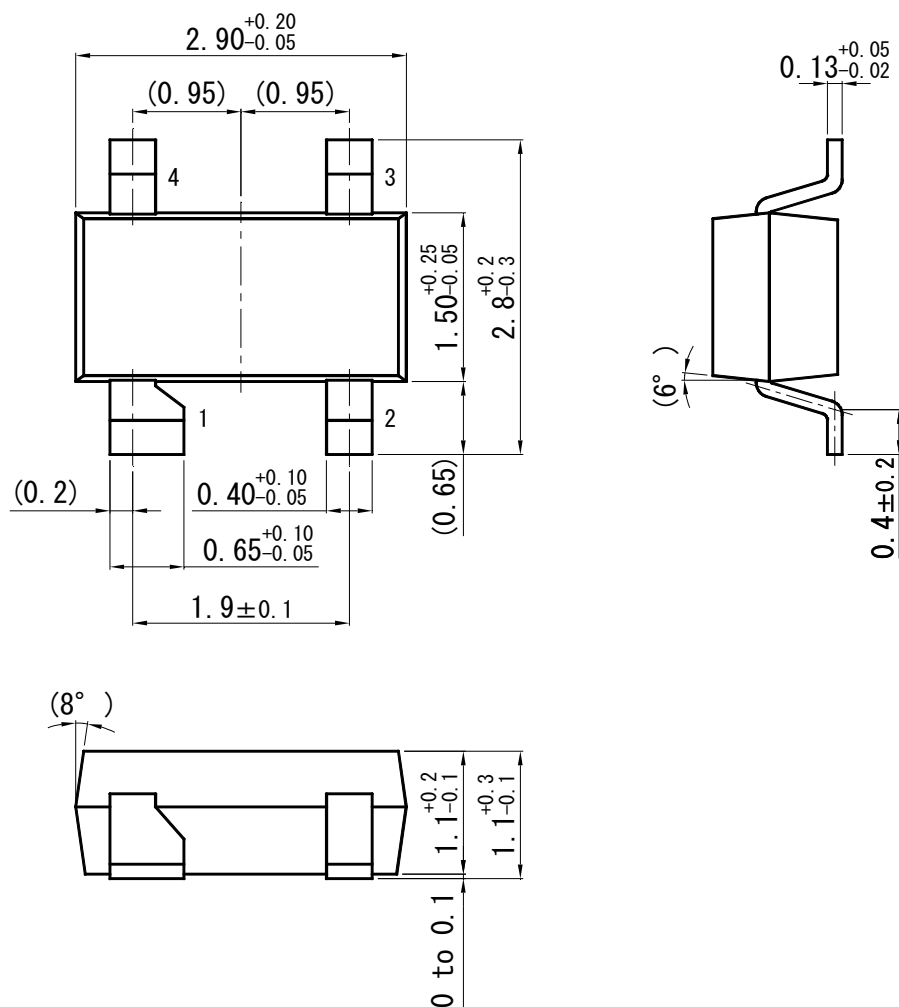
Technical Data (reference)



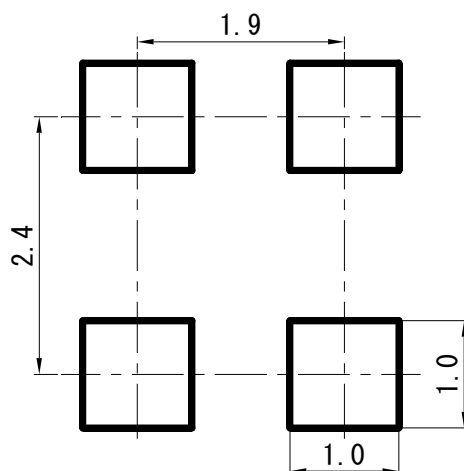
Panasonic

Mini4-G4-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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