

# DA3J104F

## Silicon epitaxial planar type

For high speed switching circuits

### ■ Features

- Small reverse current  $I_R$
- Low terminal capacitance  $C_t$
- Halogen-free / RoHS compliant  
(EU RoHS / UL-94 V-0 / MSL: Level 1 compliant)

### ■ Marking Symbol: 32

### ■ Basic Part Number

Dual DA2J104 (Series)

### ■ Packaging

DA3J104F0L Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)

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

Parameter	Symbol	Rating	Unit
Reverse voltage	$V_R$	80	V
Maximum peak reverse voltage	$V_{RM}$	80	V
Forward current	Single	200	mA
	Series	130	mA
Peak forward current	Single	600	mA
	Series	385	mA
Non-repetitive peak forward surge current *1	Single	1.0	A
	Series	0.7	A
Junction temperature	$T_j$	150	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 to +150	$^\circ\text{C}$

Note) \*1:  $t = 1$  s

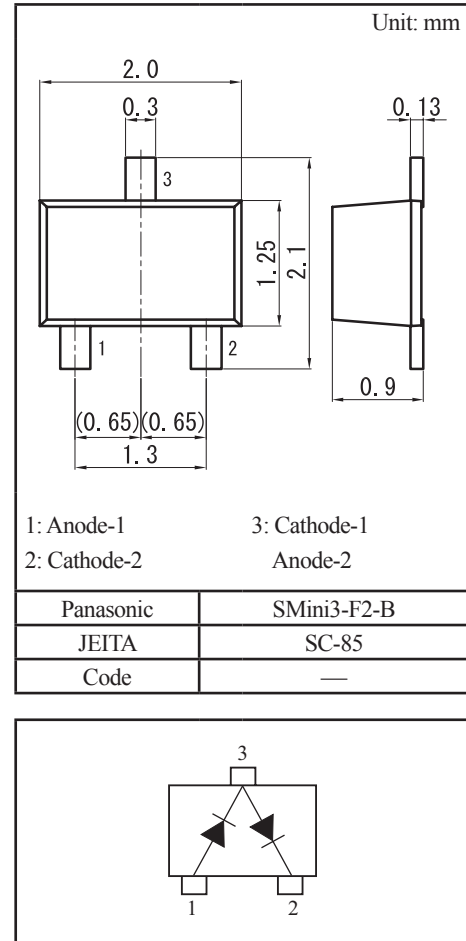
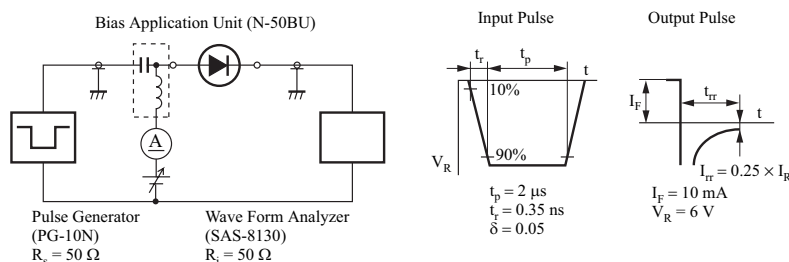
### ■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

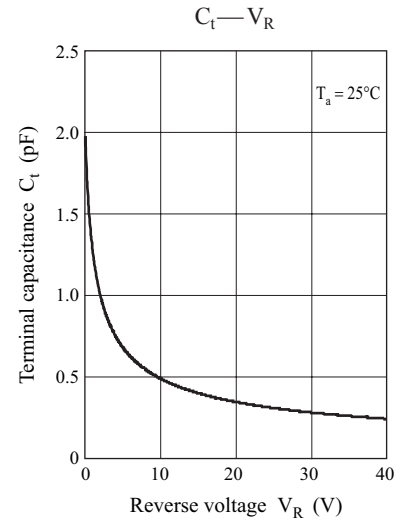
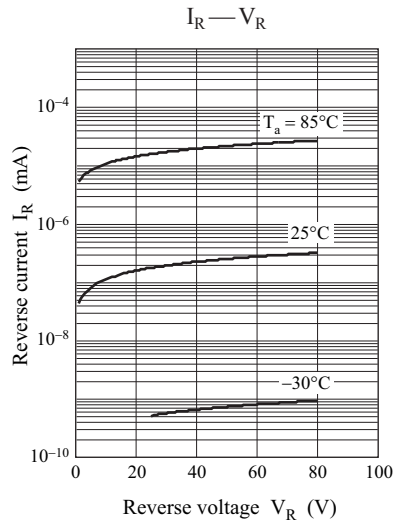
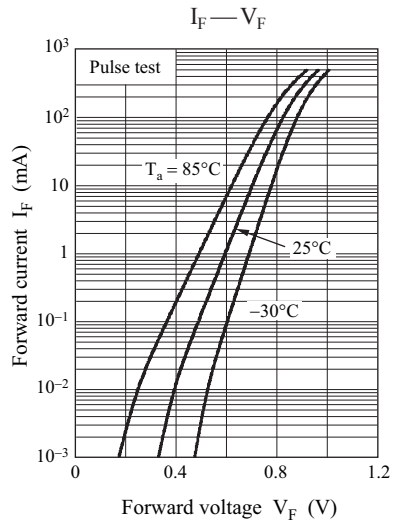
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F = 200$ mA		0.90	1.10	V
Reverse voltage	$V_R$	$I_R = 100$ $\mu\text{A}$	80			V
Reverse current	$I_R$	$V_R = 80$ V			500	nA
Terminal capacitance	$C_t$	$V_R = 0$ V, $f = 1$ MHz			4.0	pF
Reverse recovery time *1	$t_{rr}$	$I_F = 10$ mA, $V_R = 6$ V, $I_{tr} = 0.25 \times I_R$			10	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

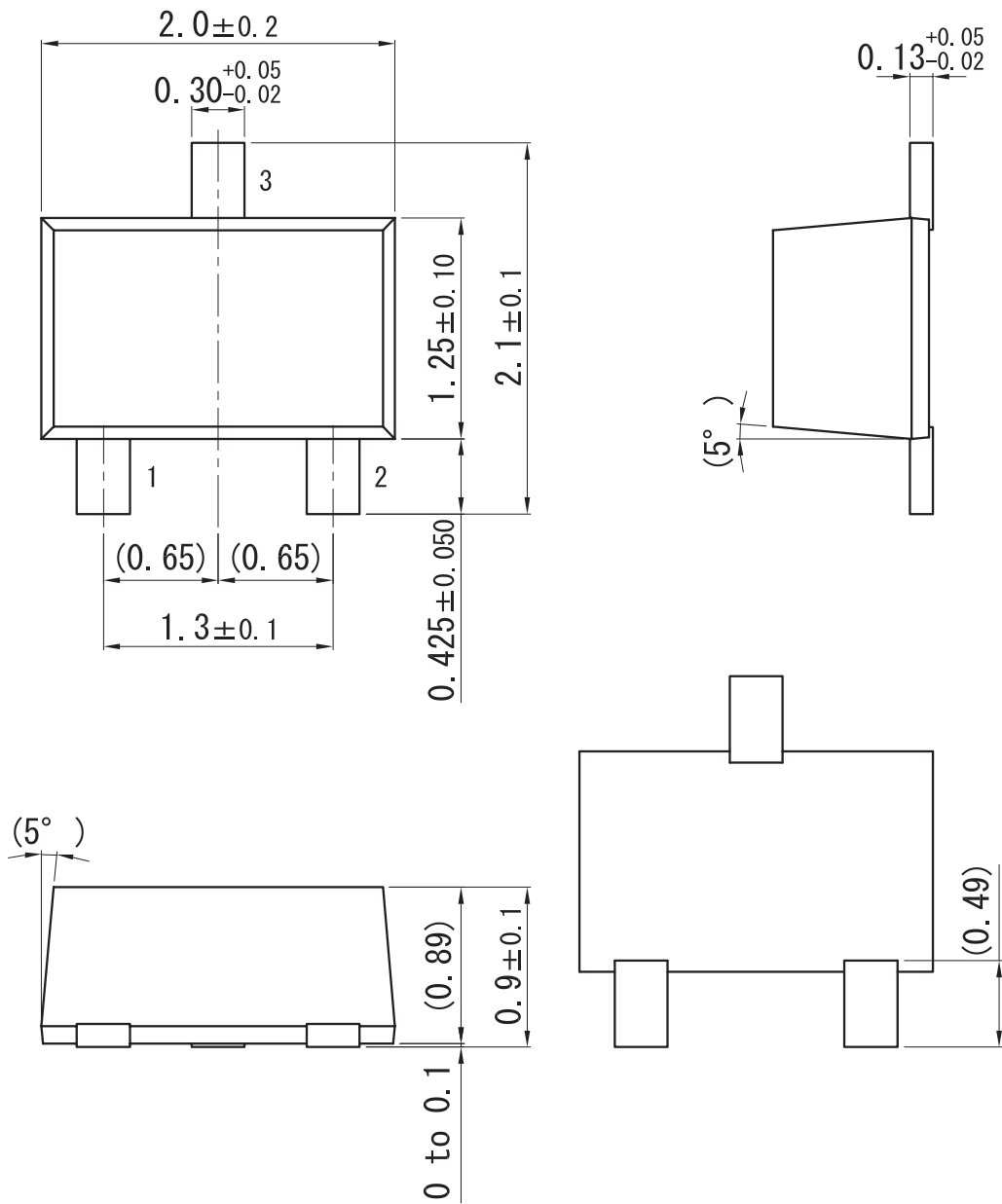
3. \*1:  $t_{rr}$  measurement circuit



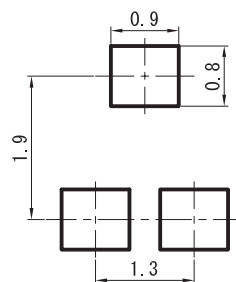


SMini3-F2-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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