Package

SMini<sub>2-F3</sub>

Marking Symbol: 1K

• Pin Name 1: Anode 2: Cathode

Code

### Switching Diodes

Panasonic

# MA2Z0010G

## Silicon epitaxial planar type

#### For switching circuits

#### Features

- High breakdown voltage:  $V_R = 200 V$
- Small terminal capacitance C<sub>t</sub>
- Suitable for high-density mounting

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

Parameter	Symbol	Rating	Unit
Reverse voltage	V <sub>R</sub>	200	V
Repetitive peak reverse voltage	V <sub>RRM</sub>	250	V
Forward current (Average)	I <sub>F(AV)</sub>	100	mA
Repetitive peak forward current	I <sub>FRM</sub>	225	mA
Non-repetitive peak forward surge current *	I <sub>FSM</sub>	500	mA
Junction temperature	Tj	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

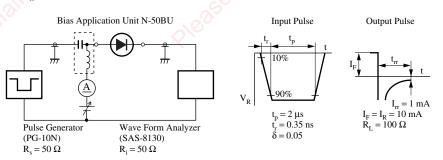
Note) \*: t = 1 s

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V <sub>F</sub>	$I_{\rm F} = 100 \text{ mA}$	0		1.2	V
Reverse current	I <sub>R</sub>	$V_{R} = 200 V$			1.0	μΑ
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$			3.0	pF
Reverse recovery time *	t <sub>rr</sub>	$I_F = I_R = 10 \text{ mA}$			60	ns
		$I_{rr} = 1 \text{ mA}$ , $R_L = 100 \Omega$				

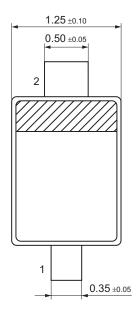
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring method for diodes.
2. Absolute frequency of input and output is 20 MHz.

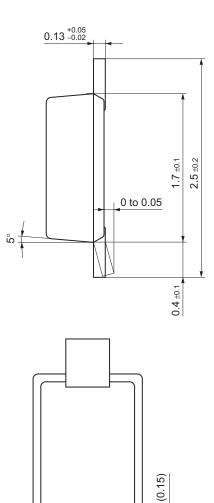
3. \*: t<sub>rr</sub> measurement circuit

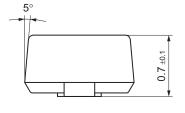


## SMini2-F3

Unit: mm







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