Switching Diodes

MA2J1130G

Silicon epitaxial planar type

For switching circuits

Features

- Allowing high-density mounting
- Ensuring the forward current (Average) capacity $I_{F(AV)} = 200 \text{ mA}$
- High breakdown voltage: $V_R = 80 V$

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

- Code SMini2-F3
- Pin Name 1: Anode
 - 2: Cathode

■ Marking Symbol: 1D

Parameter	Symbol	Rating	Unit
Reverse voltage	V _R	80	V
Maximum peak reverse voltage	V _{RM}	80	V
Forward current (Average)	I _{F(AV)}	200	mA
Peak forward current	I _{FM}	600	mA
Non-repetitive peak forward surge current *	I _{FSM}	1	А
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Note) *: t = 1 s

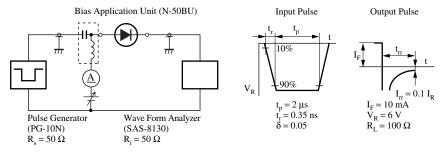
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 200 \text{ mA}$			1.1	V
Reverse current	I _{R1}	V _R = 15 V			50	nA
	I _{R2}	V _R = 75 V			500	
	I _{R3}	$V_R = 75 V, T_a = 100^{\circ}C$			100	μΑ
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$			4	pF
Reverse recovery time *	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}$			10	ns
		$I_{\rm rr}$ = 0.1 $I_{\rm R}$, $R_{\rm L}$ = 100 Ω				

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

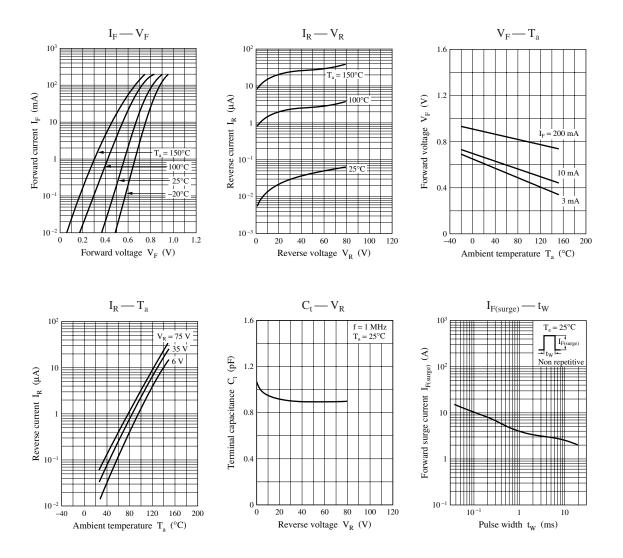
2. Absolute frequency of input and output is 100 MHz.

3. *: t_{rr} measurement circuit



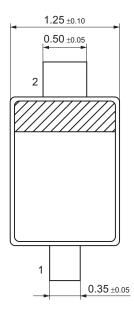
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Panasonic

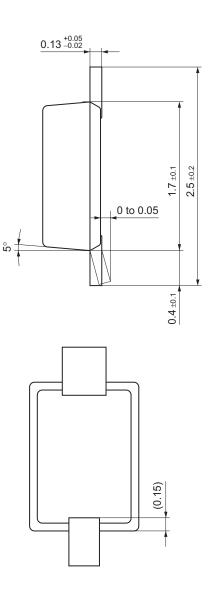


SMini2-F3

Unit: mm



5°



 0.7 ± 0.1

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