Switching Diodes

Panasonic

MA2S1010G

Silicon epitaxial planar type

For switching circuits

Features

- High breakdown voltage: $V_R = 250 \text{ V}$
- \bullet Small terminal capacitance C_t
- Suitable for high-density mounting

	J a		
Parameter	Symbol	Rating	Unit
Reverse voltage	V _R	250	V
Repetitive peak reverse voltage	V _{RRM}	250	V
Forward current	I_F	100	mA
Peak forward current	I _{FM}	225	mA
Non-repetitive peak forward surge current *	I _{FSM}	500	mA
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

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

Package

- Code SSMini2-F4
- Pin Name 1: Anode
 - 2: Cathode

Marking Symbol: 1P

Note) *: t = 1 s

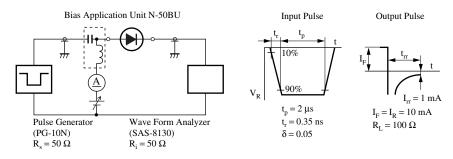
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 70 \text{ mA}$			1.2	V
Reverse current	I _R	$V_{R} = 250 V$			1.0	μΑ
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$			3.0	pF
Reverse recovery time *	t _{rr}	$\begin{split} I_F &= I_R = 10 \text{ mA} \\ I_{rr} &= 1 \text{ mA} \text{ , } R_L = 100 \Omega \end{split}$			60	ns

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

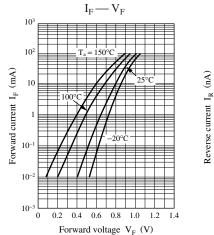
2. Absolute frequency of input and output is 20 MHz.

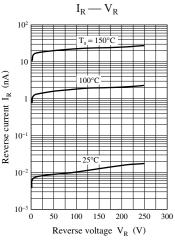
3. *: t_{rr} measurement circuit

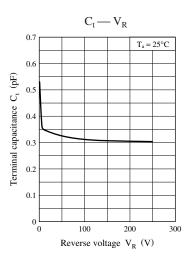


MA2S1010G





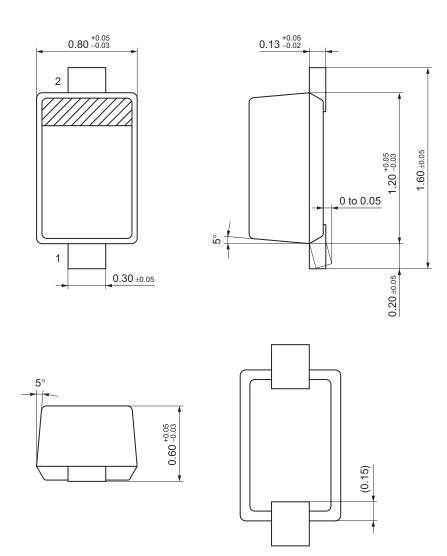




Panasonic

SSMini2-F4

Unit: mm



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