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: $V_R = 80 \text{ V}$

Package

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

■ Absolute Maximum Ratings $T_a = 25$ °C

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	I_{FSM}	1	A
surge current *			
Junction temperature	T_{j}	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

Note) *: t = 1 s

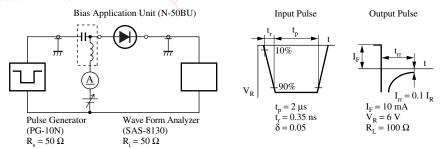
■ Marking Symbol: 1D

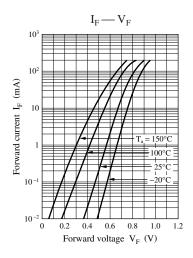
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

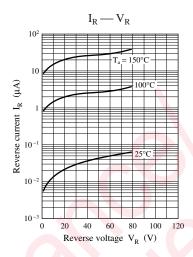
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 200 \text{ mA}$		SO.	1.1	V
Reverse current	I_{R1}	V _R = 15 V		J.	50	nA
	I_{R2}	$V_R = 75 \text{ V}$	7.9		500	
	I_{R3}	$V_R = 75 \text{ V}, T_a = 100^{\circ}\text{C}$			100	μΑ
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$			4	pF
Reverse recovery time *	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}$			10	ns
		$I_{rr} = 0.1 I_{R}, R_{L} = 100 \Omega$				

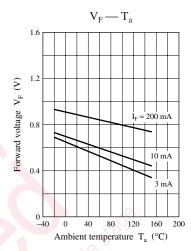
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

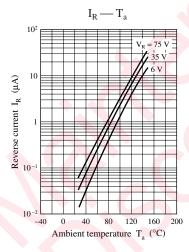
- 2. Absolute frequency of input and output is 100 MHz.
- 3. *: t_{rr} measurement circuit

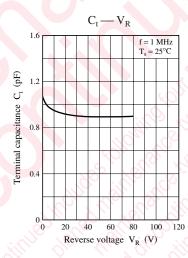


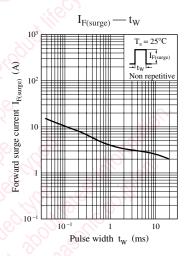






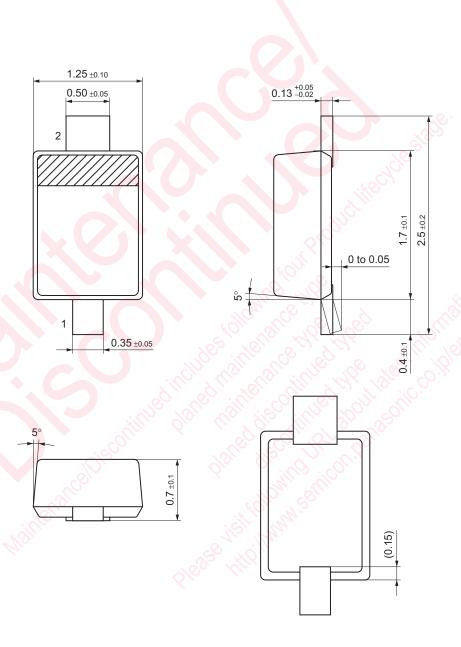






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SMini2-F3 Unit: mm



SKF00092AED 3

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