MA2S7280G

Silicon epitaxial planar type

For switching

For wave detection

■ Features

- High-density mounting is possible
- Low forward voltage V_F and good wave detection efficiency η
- Small temperature coefficient of forward characteristic
- Small reverse current I_R

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	30	V
Maximum peak reverse voltage	V _{RM}	30	V
Forward current	I_{F}	30	mA
Peak forward current	I_{FM}	150	mA
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55 to +125	°C

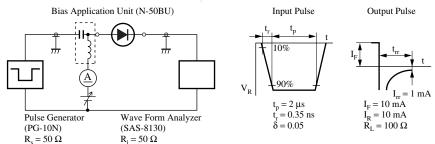
Package

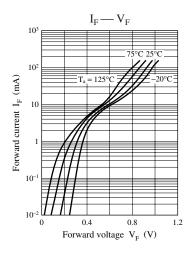
- Code
- SSMini2-F4
- Pin Name
 - 1: Anode 2: Cathode
- Marking Symbol: B

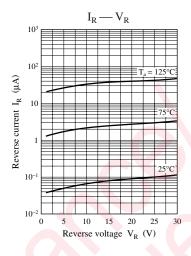
■ Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

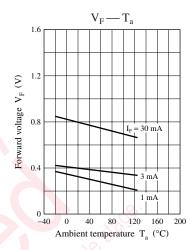
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F1}	$I_F = 1 \text{ mA}$	16,	N. Co	0.4	V
	V_{F2}	I _F = 30 mA		10	1.0	
Reverse current	I_R	$V_R = 30 \text{ V}$	100	80,	300	nA
Terminal capacitance	Ct	$V_R = 1 \text{ V, } f = 1 \text{ MHz}$		1.5		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 10 \text{ mA}$	750	1.0		ns
		$I_{rr} = 1 \text{ mA}, R_L = 100 \Omega$				
Detection efficiency	η	$V_{IN} = 3 V_{(peak)}$, $f = 30 MHz$		65		%
		$R_L = 3.9 \text{ k}\Omega, C_L = 10 \text{ pF}$				

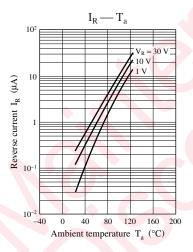
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
 - 3. Absolute frequency of input and output is 2 GHz.
 - 4. *: t_{rr} measurement circuit

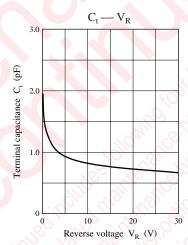


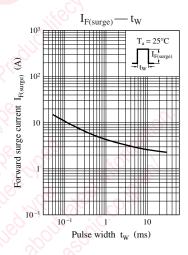


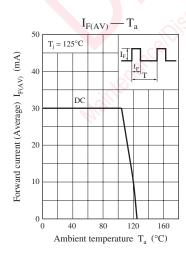






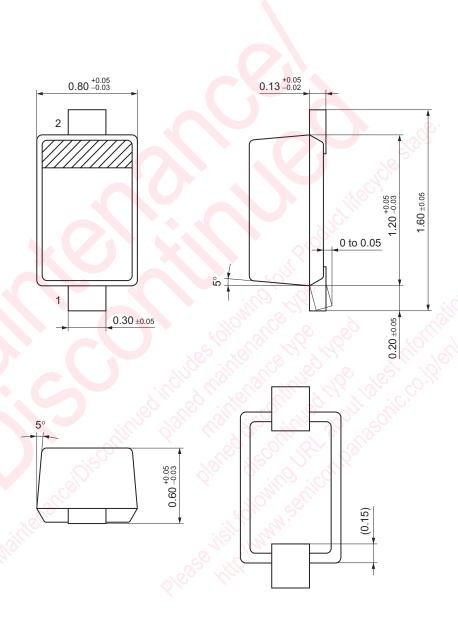






2 SKH00174AED

SSMini2-F4 Unit: mm



SKH00174AED 3

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