MA2J7280G

Silicon epitaxial planar type

For super high speed switching For wave detection

■ Features

- Low forward voltage V_F and good wave detection efficiency η
- Small reverse current I_R
- Small temperature coefficient of forward characteristic

Package

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

■ Absolute Maximum Ratings $T_a = 25$ °C

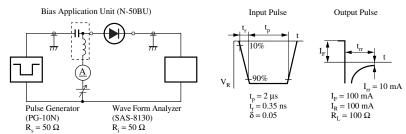
Parameter	Symbol	Rating	Unit			
Reverse voltage	V_R	30	V			
Maximum peak reverse voltage	V _{RM}	30	V			
Forward current	I_{F}	30	mA			
Peak forward current	I_{FM}	150	mA			
Junction temperature	T_{j}	125	°C			
Storage temperature	T _{stg}	-55 to +125	°C			

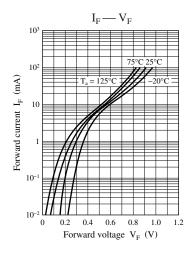
■ Marking Symbol: 2A

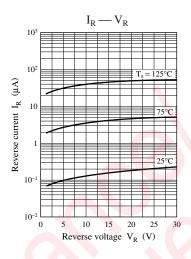
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

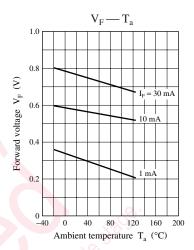
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm Fl}$	$I_F = 1 \text{ mA}$	179	20	0.4	V
	V _{F2}	$I_F = 30 \text{ mA}$	il of	, Ye	1.0	
Reverse current	I_R	$V_R = 30 \text{ V}$	300	20,	300	nA
Terminal capacitance	Ct	$V_R = 1 \text{ V}, f = 1 \text{ MHz}$	Y _00	1.5		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 10 \text{ mA}$	760	1.0		ns
		$I_{rr} = 1 \text{ mA}, R_L = 100 \Omega$	^c Q _/ ,			
Detection efficiency	η	$V_{IN} = 3 V_{(peak)}$, $f = 30 MHz$		65		%
		$R_L = 3.9 \text{ k}\Omega, C_L = 10 \text{ pF}$				

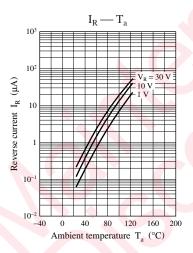
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.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

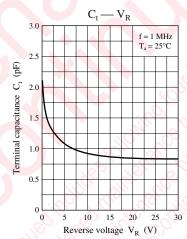


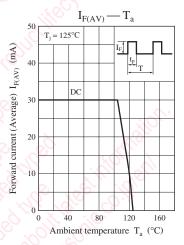






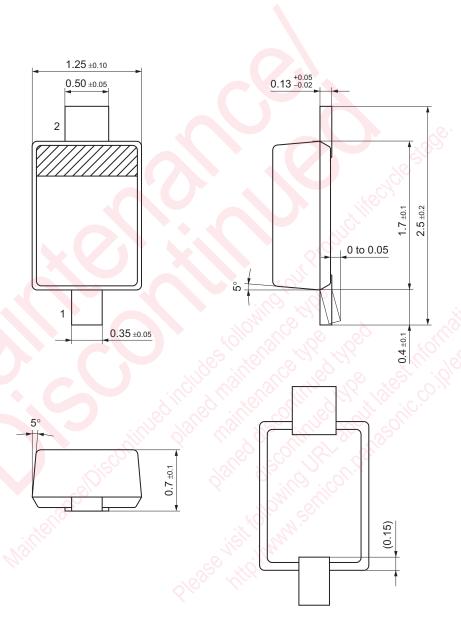






2 SKH00171AED

SMini2-F3 Unit: mm



SKH00171AED 3

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