MA2S077G

Silicon epitaxial planar type

For band switching

■ Features

- Low forward dynamic resistance r_f
- Less voltage dependence of diode capacitance C_D
- SS-Mini type package, allowing downsizing of equipment and automatic insertion through the taping package

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	35	V
Forward current	I_{F}	100	mA
Operating ambient temperature *	T _{opr}	-25 to +85	°C
Storage temperature	T _{stg}	-55 to +150	°C

Note) *: Maximum ambient temperature during operation.

Package

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

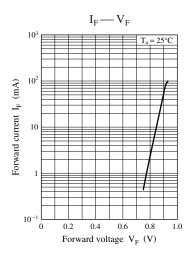
■ Marking Symbol: S

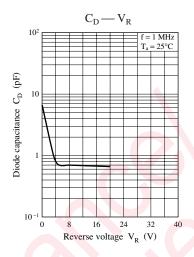
■ Electrical Characteristics $T_a = 25$ °C ± 3°C

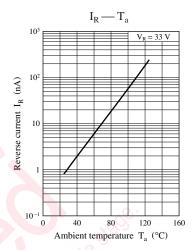
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 100 \text{ mA}$		0.92	1.00	V
Reverse current	I_R	$V_R = 33 \text{ V}$		0.01	100.00	nA
Diode capacitance	C_{D}	$V_R = 6 \text{ V}, f = 1 \text{ MHz}$	2.90	0.9	1.2	pF
Forward dynamic resistance *	$r_{\rm f}$	$I_F = 2 \text{ mA, } f = 100 \text{ MHz}$		0.65	0.85	Ω

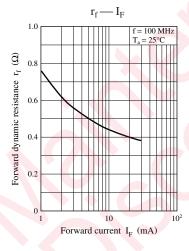
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

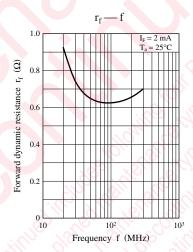
- 2. Absolute frequency of input and output is 100 MHz.
- 3. *: Measuring instrument; YHP MODEL 4191A RF IMPEDANCE ANALYZER





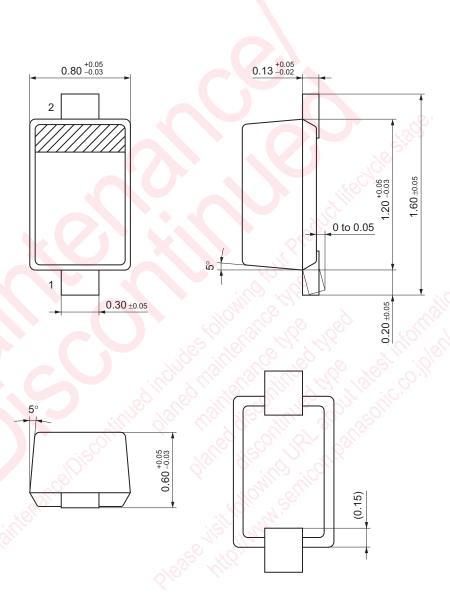






2 SKG00018AED

SSMini2-F4 Unit: mm



SKG00018AED 3

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