MA2S077

Silicon epitaxial planar type

For band switching

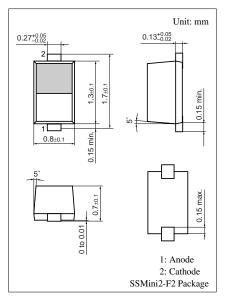
Features

- \bullet Low forward dynamic resistance $r_{\rm f}$
- \bullet Less voltage dependence of diode capacity $C_{\rm D}$
- SS-Mini type package, allowing downsizing of equipment and automatic insertion through the taping package

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

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V _R	35	V
Forward current (DC)	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



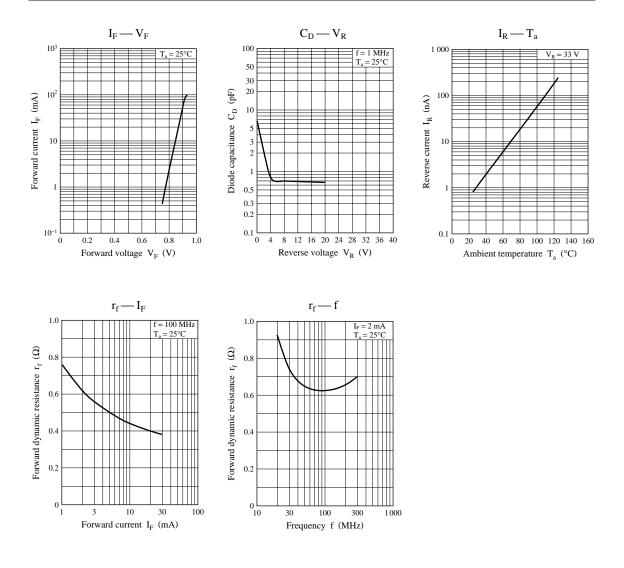
Marking Symbol: S

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	IR	$V_R = 33 V$		0.01	100	nA
Forward voltage (DC)	V _F	$I_F = 100 \text{ mA}$		0.92	1.0	V
Diode capacitance	CD	$V_R = 6 V, f = 1 MHz$		0.9	1.2	pF
Forward dynamic resistance *	r _f	$I_F = 2 \text{ mA}, \text{ f} = 100 \text{ MHz}$		0.65	0.85	Ω

Note) 1. Rated input/output frequency: 100 MHz

2. *: Measuring instrument; YHP MODEL 4191A RF IMPEDANCE ANALYZER



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