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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# MA2S077

## Silicon epitaxial planar type

For band switching

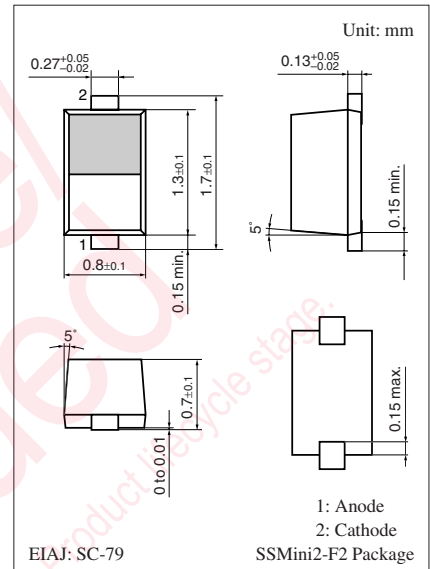
### ■ Features

- 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 $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Reverse voltage	$V_R$	35	V
Forward current	$I_F$	100	mA
Operating ambient temperature *	$T_{opr}$	-25 to +85	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 to +150	$^\circ\text{C}$

Note) \*: Maximum ambient temperature during operation.



Marking Symbol: S

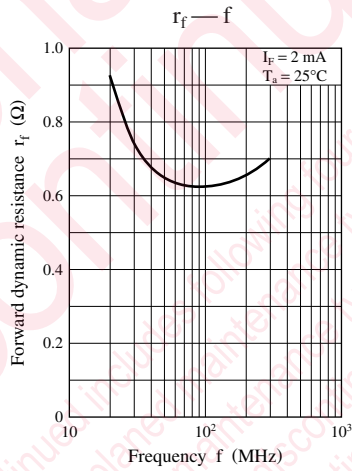
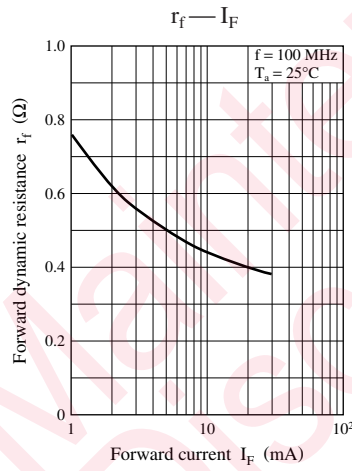
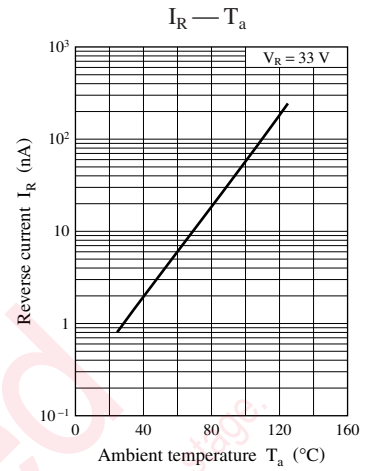
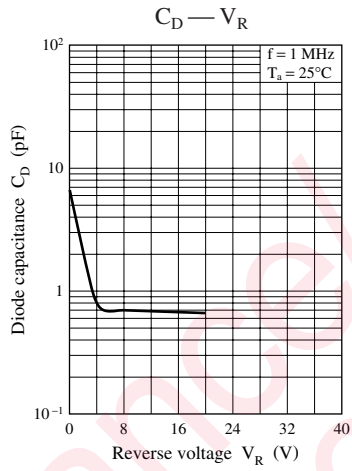
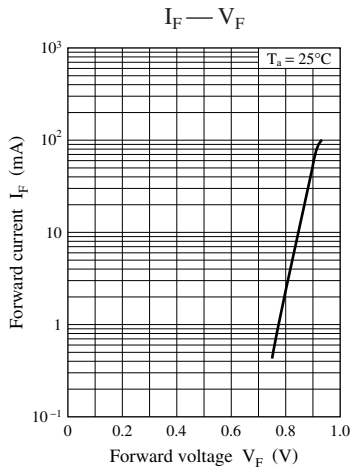
### ■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F = 100 \text{ mA}$		0.92	1.00	V
Reverse current	$I_R$	$V_R = 33 \text{ V}$		0.01	100.00	nA
Diode capacitance	$C_D$	$V_R = 6 \text{ V}, f = 1 \text{ MHz}$		0.9	1.2	pF
Forward dynamic resistance *	$r_f$	$I_F = 2 \text{ mA}, f = 100 \text{ MHz}$		0.65	0.85	$\Omega$

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



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