# **MA2SP01**

### Silicon epitaxial planar type

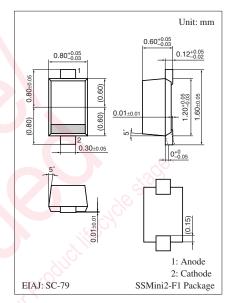
#### For high frequency switch

#### ■ Features

- Small terminal capacitance C<sub>t</sub>
- Small forward dynamic resistance r<sub>f</sub>
- Miniature package and surface mounting type

### ■ Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit	
Reverse voltage	V <sub>R</sub>	60	V	
Forward current	$I_{\mathrm{F}}$	100	mA	
Power dissipation	P <sub>D</sub>	150	mW	
Junction temperature	T <sub>j</sub>	150	°C	
Storage temperature	$T_{stg}$	-55 to +150	°C	



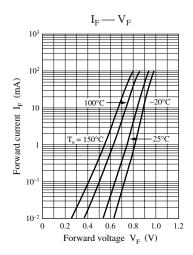
Marking Symbol: 2P

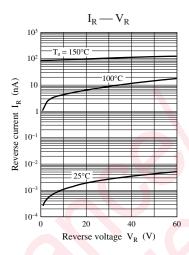
### ■ Electrical Characteristics T<sub>a</sub> = 25°C ± 3°C

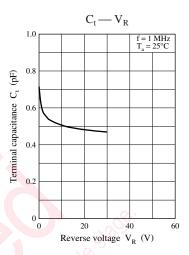
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 10 \text{ mA}$	1.90		1.0	V
Reverse current	$I_R$	V <sub>R</sub> = 60 V			100	nA
Terminal capacitance	C <sub>t</sub>	$V_R = 1 \text{ V, } f = 1 \text{ MHz}$			0.8	pF
Forward dynamic resistance	$r_{\rm f}$	I <sub>F</sub> = 10 mA, f = 100 MHz			1.0	Ω

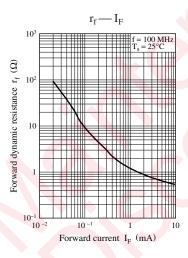
Note) Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

## **Panasonic**









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