# **MA2SP01**

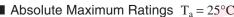
### Silicon epitaxial planar type

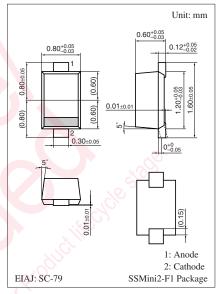
For high frequency switch

#### Features

- Small terminal capacitance Ct
- 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	VR	60	V			
Forward current	I <sub>F</sub>	100	mA			
Power dissipation	P <sub>D</sub>	150	mW			
Junction temperature	Tj	150	°C			
Storage temperature	T <sub>stg</sub>	-55 to +150	°C			





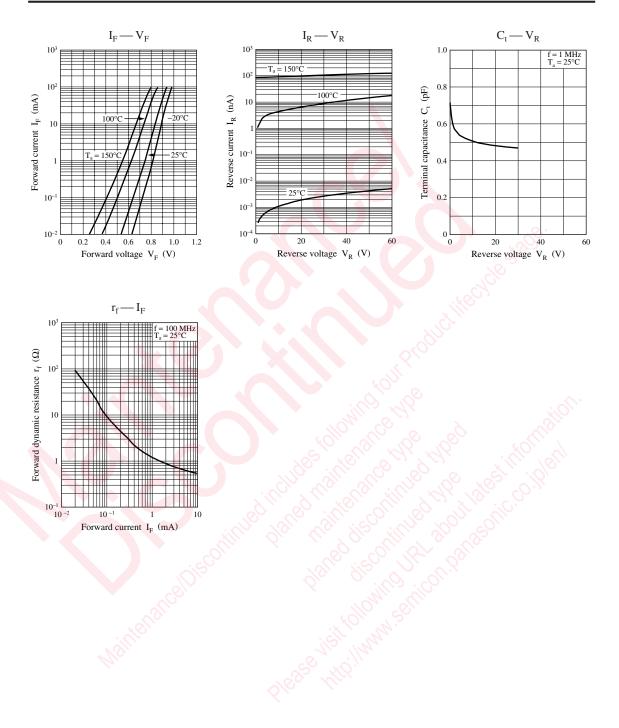
Marking Symbol: 2P

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	S <sup>V</sup> F	I <sub>F</sub> = 10 mA	.?		1.0	V
Reverse current	I <sub>R</sub>	$V_R = 60 V$			100	nA
Terminal capacitance	Ct	$V_R = 1 V, f = 1 MHz$			0.8	pF
Forward dynamic resistance	r <sub>f</sub>	$I_F = 10 \text{ mA}, f = 100 \text{ MHz}$			1.0	Ω

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

### Panasonic



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