## **MA2SP01**

## Silicon epitaxial planar type

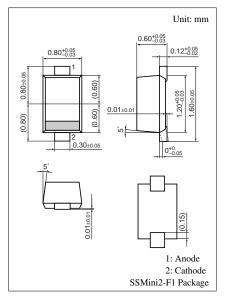
### For high frequency switch

#### ■ Features

• Low terminal capacitance:  $C_t \le 0.8 \ pF$ • Low forward dynamic resistance:  $r_f \le 1.0 \ \Omega$ • Miniature package and surface mounting type

## ■ Absolute Maximum Ratings $T_a = 25$ °C

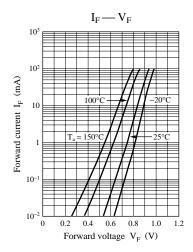
Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	$V_R$	60	V
Forward current (DC)	$I_F$	100	mA
Power dissipation	$P_{\mathrm{D}}$	150	mW
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	$T_{stg}$	-55 to +150	°C

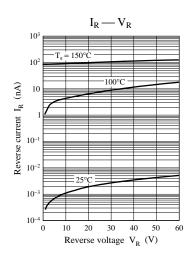


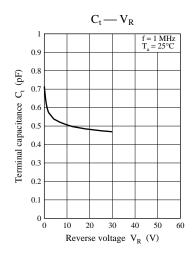
Marking Symbol: 2P

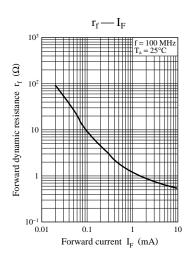
### ■ Electrical Characteristics $T_a = 25$ °C $\pm 3$ °C

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









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