

MA2SP01

Silicon epitaxial planar type

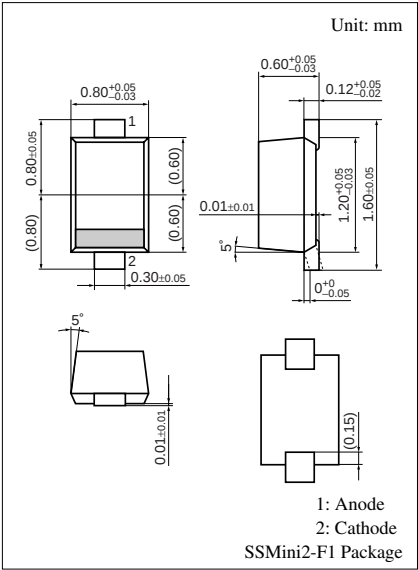
For high frequency switch

■ Features

- Low terminal capacitance: $C_t \leq 0.8 \text{ pF}$
- Low forward dynamic resistance: $r_f \leq 1.0 \Omega$
- Miniature package and surface mounting type

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

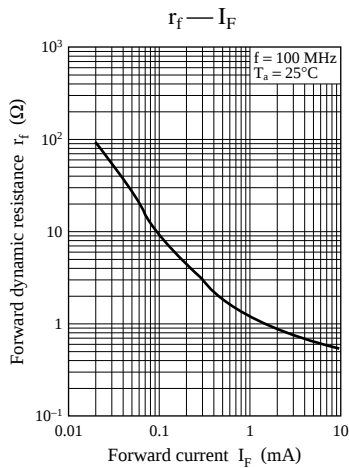
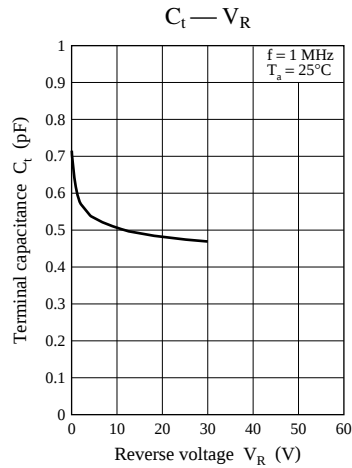
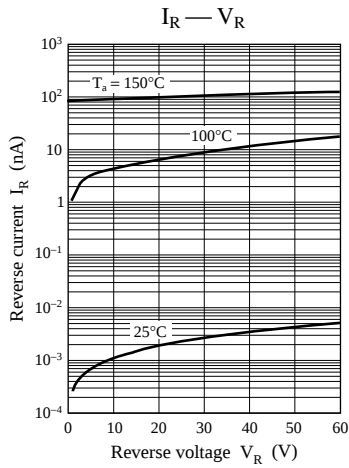
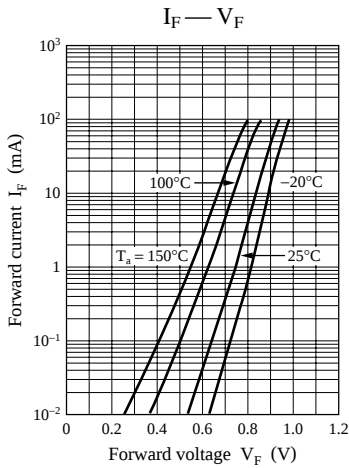
Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	60	V
Forward current (DC)	I_F	100	mA
Power dissipation	P_D	150	mW
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$



Marking Symbol: 2P

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	$V_R = 60 \text{ V}$			100	nA
Forward voltage (DC)	V_F	$I_F = 10 \text{ mA}$			1.0	V
Terminal capacitance	C_t	$V_R = 1 \text{ V}, f = 1 \text{ MHz}$			0.8	pF
Forward dynamic resistance	r_f	$I_F = 10 \text{ mA}, f = 100 \text{ MHz}$			1.0	Ω



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