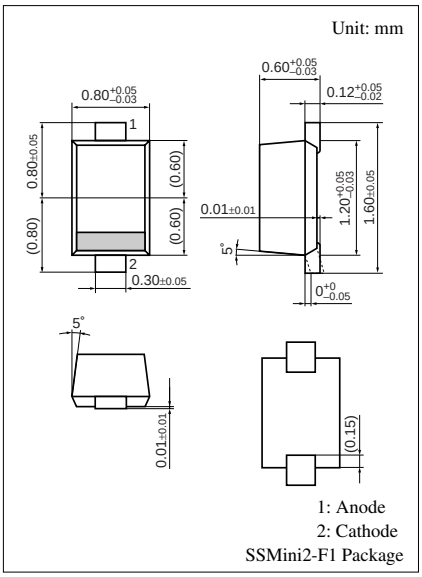
MA2SP05

Silicon epitaxial planar type

For high frequency attenuator



Marking Symbol: 6P

■ Features

- High performance forward current controlled forward dynamic resistance
- Low terminal capacitance
- Miniature package and surface mounting type

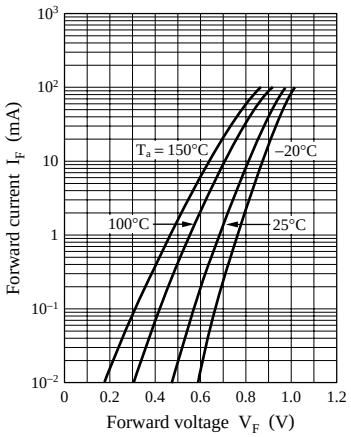
■ Absolute Maximum Ratings $T_a = 25°C$

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	60	V
Forward current (DC)	I_F	50	mA
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	−55 to +150	°C

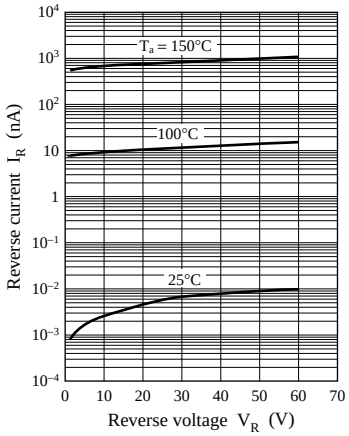
■ Electrical Characteristics $T_a = 25°C \pm 3°C$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	V_R = 60 V			100	nA
Forward voltage (DC)	V_F	I_F = 10 mA			1.0	V
Terminal capacitance	C_t	V_R = 0 V, f = 1 MHz			2.4	pF
Forward dynamic resistance	r_f	I_F = 10 mA, f = 100 MHz			5.5	Ω

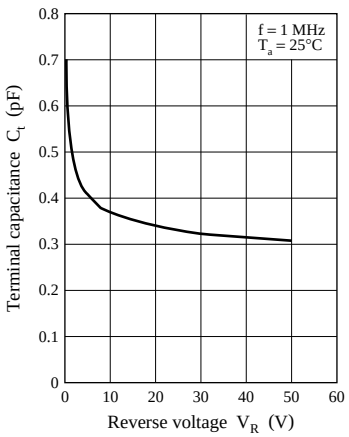
I_F — V_F



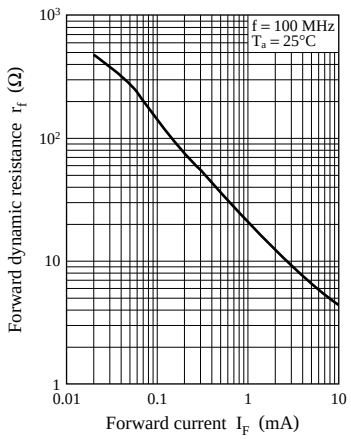
I_R — V_R



C_t — V_R



r_f — I_F



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