MA27P01

Silicon epitaxial planar type

For high frequency switch

■ Features

• Low terminal capacitance: $C_t \le 0.8 \text{ pF}$

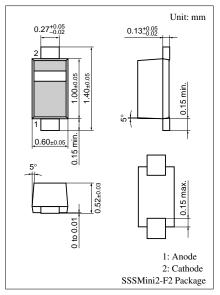
• Low forward dynamic resistance: $r_f \le 1.0 \ \Omega$

• Ultraminiature package and surface mounting type 1.0 mm × 0.6 mm (height: 0.52 mm)

■ 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_{D}	150	mW
Junction temperature	T _j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

Note) *: With a glass epoxy board



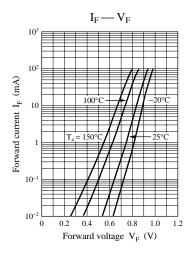
Marking Symbol: N

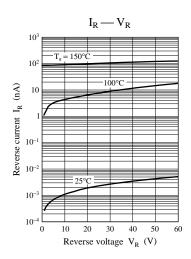
■ Electrical Characteristics $T_a = 25$ °C

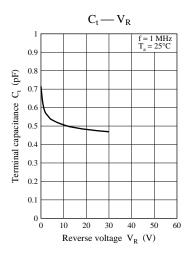
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 60 \text{ V}$			100	nA
Forward voltage (DC)	V_{F}	$I_F = 10 \text{ mA}$			1.0	V
Terminal capacitance	C _t	$V_R = 1 \text{ V, f} = 1 \text{ MHz}$			0.8	pF
Forward dynamic resistance *	r_{f}	I _F = 10 mA, f = 100 MHz			1.0	Ω

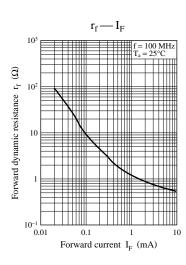
Note) *: Measuring instrument; AGILENT MODEL 4291B

MA27P01 Panasonic









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