MA2S367

Silicon epitaxial planar type

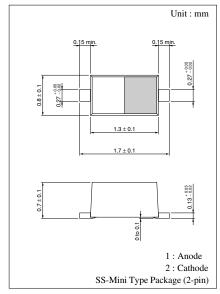
For AFC of UHF and VHF electronic tuner

■ Features

- Large capacitance ratio
- Small series resistance r_D
- SS-mini type package, allowing downsizing of equipment and automatic insertion through the taping package

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	30	V
Peak reverse voltage	V_{RM}	34	V
Junction temperature	T _j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C



Marking Symbol: P

■ Electrical Characteristics $T_a = 25$ °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 30 \text{ V}$			10	nA
Diode capacitance	C _{D(2V)}	$V_R = 2 V, f = 1 MHz$	10.5		16.0	pF
	C _{D(10V)}	$V_R = 10 \text{ V}, f = 1 \text{ MHz}$	3.3		5.7	pF
Capacitance ratio	C _{D(2V)} /C _{D(10V)}		2.8		3.4	_
Series resistance*	r _D	$V_R = 9 \text{ pF, f} = 470 \text{ MHz}$			1.6	Ω

Note) 1. Rated input/output frequency: 470 MHz

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^{2. *:} r_f measuring instrument: YHP MODEL 4191A RF IMPEDANCE ANALYZER

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