MA2Z367 (MA367)

Silicon epitaxial planar type

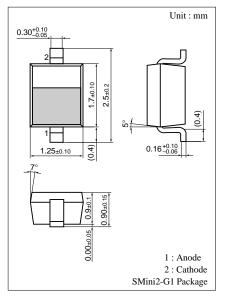
For AFC of UHF and VHF electronic tuner

Features

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

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

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



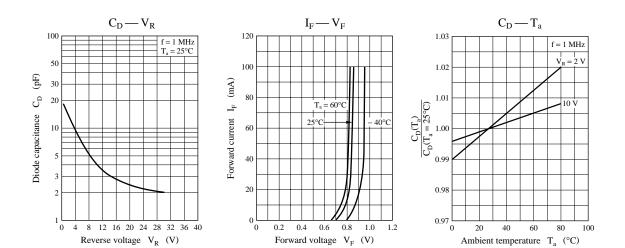
Marking Symbol: 6K

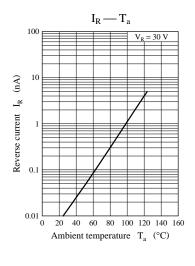
$\blacksquare Electrical Characteristics T_a = 25^{\circ}C$ Symbol Parameter Conditions

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

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

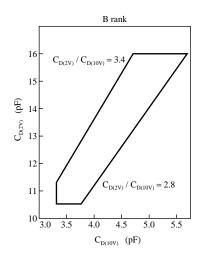
2. *: rf measuring instrument: YHP MODEL 4191A RF IMPEDANCE ANALYZER





C_D rank classification

Gap classification table for AFC



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