MA2Z366 (MA366)

Silicon epitaxial planar type

For CATV tuner

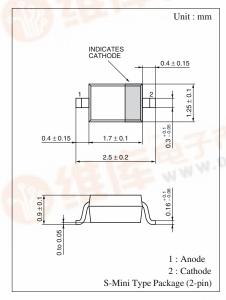
■ Features

- Large capacitance ratio
- Small series resistance r_D, resulting in obtaining high performance index, Q of a circuit
- S-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	34	V
Peak reverse voltage*	V _{RM}	35	V
Forward current (DC)	I_{F}	20	mA
Junction temperature	T _j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

Note) * : $R_L = 10 \text{ k}\Omega$



Marking Symbol: 6H

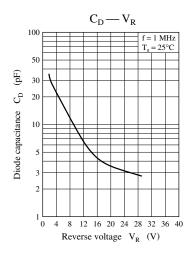
■ Electrical Characteristics T_a = 25°C

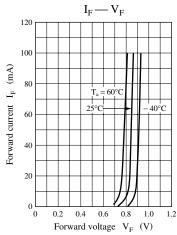
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 30 \text{ V}$			10	nA
Diode capacitance	C _{D(2V)}	$V_R = 2 V$, $f = 1 MHz$	27.13		32.15	pF
	C _{D(25V)}	$V_R = 25 \text{ V}, f = 1 \text{ MHz}$	2.60		3.15	pF
	C _{D(10V)}	V _R = 10 V, f = 1 MHz	7.05		9.97	pF
	C _{D(17V)}	$V_R = 17 \text{ V}, f = 1 \text{ MHz}$	3.48		4.74	pF
Capacitance ratio	C _{D(2V)} /C _{D(25V)}	毛切門	10			_
Diode capacitance deviation	ΔC	C _{D(2V)(10V)(17V)(25V)}			2.5	%
Series resistance*	r_{D}	$C_D = 9 \text{ pF, } f = 470 \text{ MHz}$			0.63	Ω

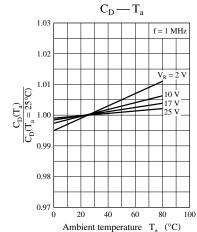
Note) 1. Rated input/output frequency: 470 MHz

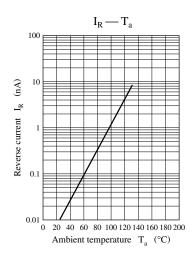
2. *: r_f measuring instrument: YHP MODEL 4191A RF IMPEDANCE ANALYZER



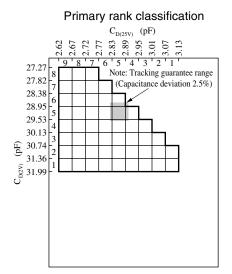


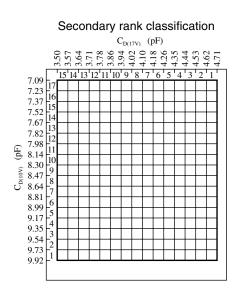






C_D rank classification





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