

MA2X334 (MA334)

Silicon epitaxial planar type

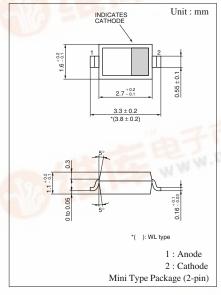
For UHF and VHF electronic tuners

■ Features

- Large capacitance ratio
- Small series resistance r_D
- 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
Forward voltage (DC)	I_{F}	20	mA
Junction temperature	T _j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C



Marking Symbol: 6D

■ Electrical Characteristics T_a = 25°C

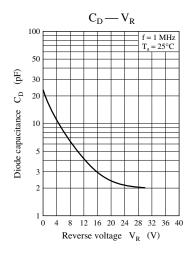
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 30 \text{ V}$			10	nA
Diode capacitance	C _{D(3V)}	$V_R = 3 \text{ V}, f = 1 \text{ MHz}$	11.233		12.781	pF
	C _{D(25V)}	$V_R = 25 \text{ V}, f = 1 \text{ MHz}$	2.020		2.367	pF
	C _{D(10V)}	$V_R = 10 \text{ V}, f = 1 \text{ MHz}$	4.358		5.422	pF
	C _{D(17V)}	$V_R = 17 \text{ V}, f = 1 \text{ MHz}$	2.567		3.100	pF
Capacitance ratio	C _{D(3V)} /C _{D(25V)}	去切"	4.60		6.15	
Capacitance difference	C _{D(17V)} /C _{D(25V)}	CC.COm	0.37			pF
Diode capacitance deviation	ΔC	C _{D(3V)(10V)(17V)(25V)}			2	%
Series resistance*	r_{D}	$C_D = 9 \text{ pF, } f = 470 \text{ MHz}$	0.38		0.72	Ω

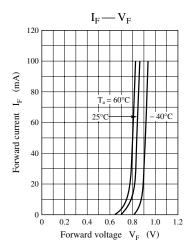
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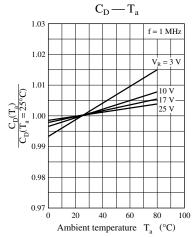
Note) 1. Rated input/output frequency: 470 MHz

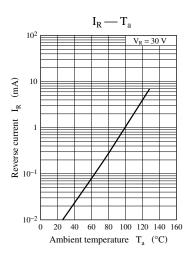
^{2. *:} r_f measuring instrument: YHP MODEL 4191A RF IMPEDANCE ANALYZER







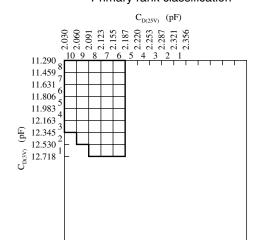




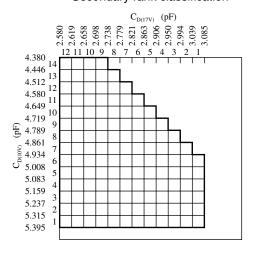
C_D rank classification

•MA2X334B

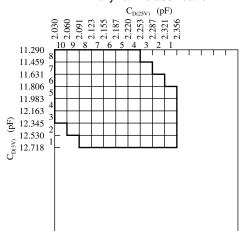
Primary rank classification



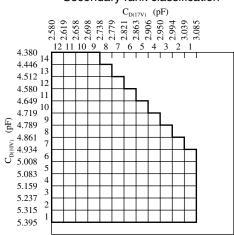
Secondary rank classification



•MA2X3340G Primary rank classification



Secondary rank classification



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