MA2X329 (MA329)

Silicon epitaxial planar type

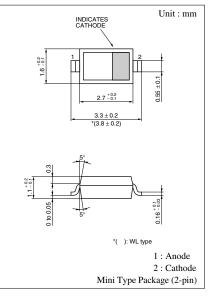
For VHF electronic tuners

Features

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

U u					
Parameter	Symbol	Rating	Unit		
Reverse voltage (DC)	V _R	32	V		
Peak reverse voltage	V _{RM}	34	V		
Forward current (DC)	$I_{\rm F}$	20	mA		
Junction temperature	Tj	150	°C		
Storage temperature	T _{stg}	-55 to +150	°C		

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



Marking Symbol: 6B

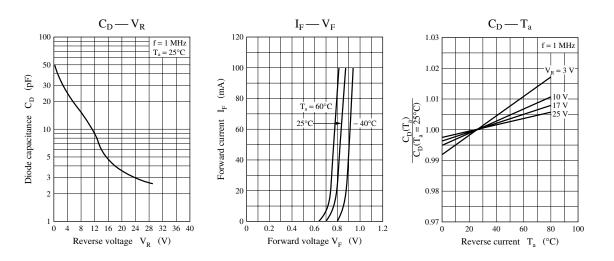
Electrical Characteristics $T_a = 25^{\circ}C$

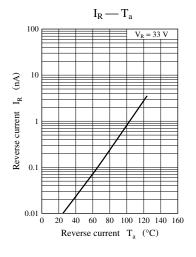
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 30 V$			10	nA
Diode capacitance	C _{D(1V)}	$V_R = 1 V, f = 1 MHz$		42		pF
	C _{D(3V)}	$V_R = 3 V, f = 1 MHz$	25.87		32.64	pF
	C _{D(25V)}	$V_{R} = 25 V, f = 1 MHz$	2.58		3.20	pF
	C _{D(10V)}	$V_R = 10 V, f = 1 MHz$	9.15		12.44	pF
	C _{D(17V)}	$V_{R} = 17 V, f = 1 MHz$	3.28		4.46	pF
Capacitance ratio	C _{D(3V)} /C _{D(25V)}		9			
Diode capacitance deviation	ΔC	C _{D(3V)(10V)(17V)(25V)}			3	%
Series resistance*	r _D	$C_{\rm D} = 9 \text{ pF}, \text{ f} = 470 \text{ MHz}$			1.6	Ω

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

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

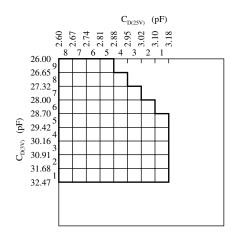
Note) The part number in the parenthesis shows conventional part number.



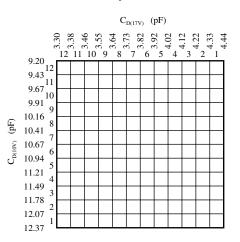


C_D rank classification

Primary rank classification



Secondary rank classification



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