MA2X341 (MA341)

Silicon epitaxial planar type

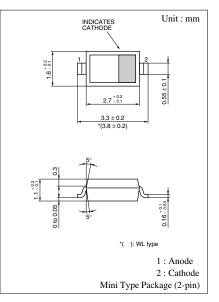
For AFC of UHF and VHF electronic tuner

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 $T_a = 25^{\circ}C$

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

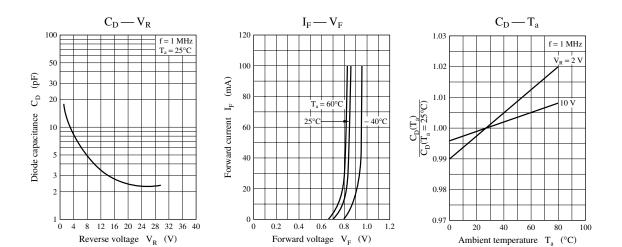
Electrical Characteristics $T_a = 25^{\circ}C$

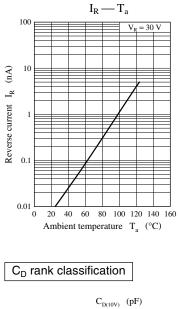
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 30 V$			10	nA
Diode capacitance	C _{D(2V)}	$V_R = 2 V, f = 1 MHz$	10.5		16.0	pF
	C _{D(10V)}	$V_{R} = 10 V, f = 1 MHz$	3.3		5.7	pF
Capacitance ratio	C _{D(2V)} /C _{D(10V)}		2.8		3.4	_
Series resistance*	r _D	$V_{R} = 9 \text{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

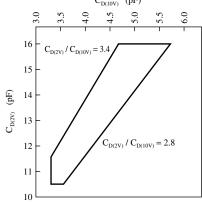
Note) 1. Rated input/output frequency: 470 MHz

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

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







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