查询MA391供应商 Variable Capacitance Diodes

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MA2Z391 (MA391)

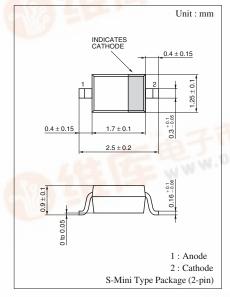
N type GaAs epitaxial planar type

For VCO of a communications equipment DZSC.COM

Features

- Small series resistance r_D and high Q value
- Large capacitance ratio during low-voltage operation

Absolute Maximum Ratings $T_a = 25^{\circ}C$						
Parameter	Symbol	Rating	Unit			
Reverse voltage (DC)	V _R	10	V			
Forward current (DC)	I_F	30	mA			
Junction temperature	Tj	125	°C			
Storage temperature	T _{stg}	-55 to +125	°C			



Marking Symbol: 7S

Electrical Characteristics	$I_a = 25^{\circ}C$					
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 6 V$			50	nA
Forward voltage (DC)	V _F	I _F = 300 mA			0.8	V
Reverse voltage (DC)	V _R	$I_R = 1 \ \mu A$	10	1		V
Diode capacitance	C _{D(1V)}	V _R = 1 V, f = 1 MHz		3.7	5.0	pF
	C _{D(4V)}	$V_R = 4 V, f = 1 MHz$	1.0	1.4		pF
Series resistance*	r _D	$C_{\rm D} = 1.6 \text{ pF}, \text{ f} = 470 \text{ MHz}$		0.3	0.5	Ω

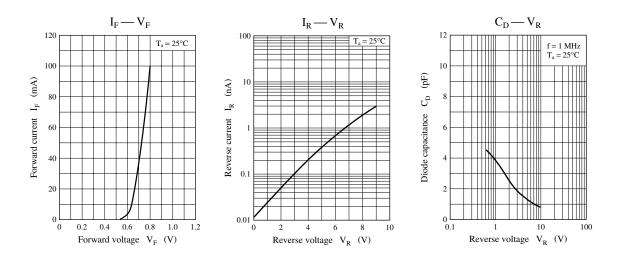
Note) 1. Rated input/output frequency: 470 MHz

2. * : r_f measuring instrument: RF IMPEDANCE ANALYZER

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MA2Z391



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