MA26V01

Silicon epitaxial planar type

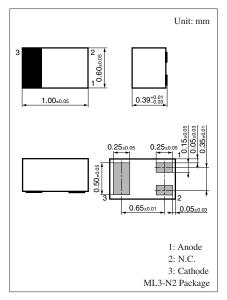
For VCO

Features

- \bullet Good linearity and large capacitance-ratio in C_D V_R relation
- Small series resistance r_D

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

Parameter	Symbol	Rating	Unit
Reverse voltage	V _R	6	V
Junction temperature	Tj	125	°C
Storage temperature	T _{stg}	-55 to +125	°C



Marking Symbol: 2D

Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

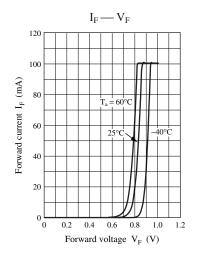
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current	I _R	$V_R = 6 V$			10	nA
Diode capacitance	C _{D1V}	$V_R = 1 V, f = 1 MHz$	15.0		17.0	pF
	C _{D3V}	$V_R = 3 V, f = 1 MHz$	5.0		7.0	
Capacitance ratio	C _{D1V} /C _{D3V}		2.2			—
Series resistance *	r _D	$C_{\rm D} = 9 \text{ pF}, \text{ f} = 470 \text{ MHz}$			1.0	Ω

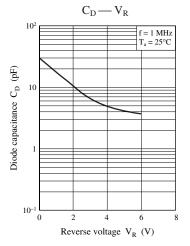
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

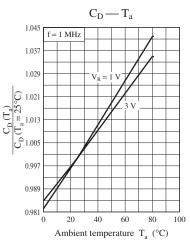
2. Absolute frequency of input and output is 470 MHz.

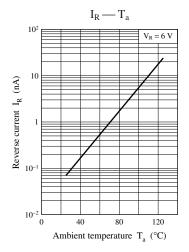
3. *: Measuring instrument: YHP MODEL 4191A RF IMPEDANCE ANALYZER

Panasonic









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