MA26V20

Silicon epitaxial planar type

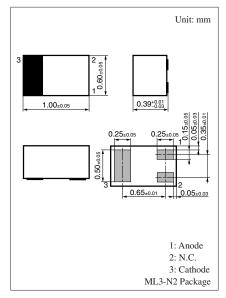
For VCO

Features

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

\blacksquare 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: 6F

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

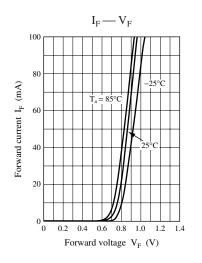
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current	I _R	$V_R = 5 V$			10	nA
Diode capacitance	C _{D(1V)}	$V_R = 1 V, f = 1 MHz$	18.0		19.5	pF
	C _{D(3V)}	$V_R = 3 V, f = 1 MHz$	9.2		9.90	
Capacitance ratio	$C_{D(1V)}/C_{D(3V)}$		1.89		2.04	
Series resistance *	r _D	$V_R = 3 V, f = 470 MHz$			0.35	Ω

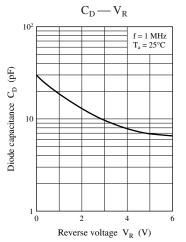
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

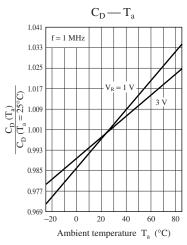
2. Absolute frequency of input and output is 470 MHz.

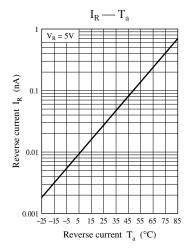
3. *: Measuring instrument: YHP MODEL 4191A RF IMPEDANCE ANALYZER

Panasonic









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