MA26V15

Silicon epitaxial planar type

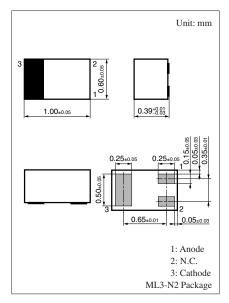
For VCO

Features

- \bullet Good linearity and large capacitance-ratio in C_D V_R relation
- Small series resistance r_D
- High frequency type by this low capacitance

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: 2N

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

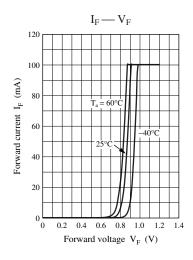
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current	I _R	$V_R = 5 V$			10	nA
Diode capacitance	C _{D(0.5V)}	$V_R = 0.5 V, f = 1 MHz$	7.30		7.91	pF
	C _{D(2.5V)}	$V_R = 2.5 V, f = 1 MHz$	2.98		3.23	
Capacitance ratio	C _{D(0.5V)} /C _{D(2.5V)}		2.35		2.55	
Series resistance *	r _D	$V_R = 1 V, f = 470 MHz$			0.45	Ω

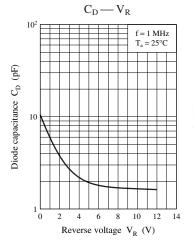
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

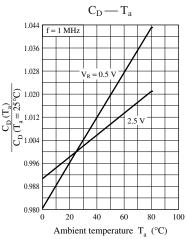
2. Absolute frequency of input and output is 470 MHz

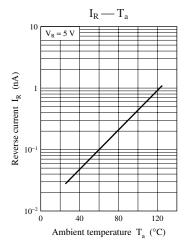
3. *: Measuring instrument; YHP MODEL 4191A RF IMPEDANCE ANALYZER

Panasonic









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