MA26V05

Silicon epitaxial planar type

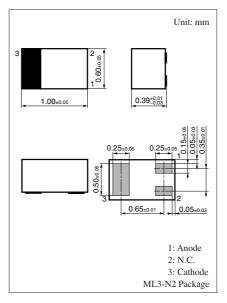
For VCO

■ 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	10	V
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55 to +125	°C



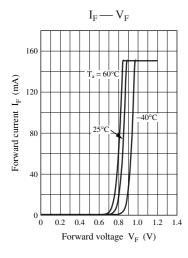
Marking Symbol: 2J

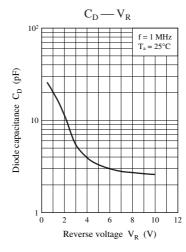
\blacksquare Electrical Characteristics $T_a {=}\, 25^{\circ}C \,{\pm}\, 3^{\circ}C$

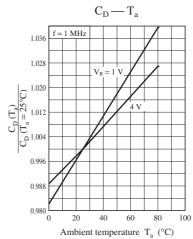
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current	I_R	$V_R = 10 \text{ V}$			10	nA
Diode capacitance	C _{D1V}	$V_R = 1 \text{ V, } f = 1 \text{ MHz}$	18.5		20.5	pF
	C _{D4V}	$V_R = 4 \text{ V, f} = 1 \text{ MHz}$	3.6		4.1	
Capacitance ratio	C _{D1V} /C _{D4V}		4.7			_
Series resistance *	r_{D}	$V_R = 4 \text{ V, f} = 470 \text{ MHz}$			0.65	Ω

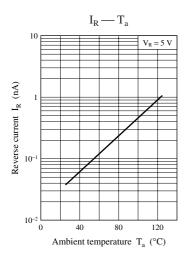
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. Absolute frequency of input and output is 470 MHz.
 - 3. *: Measuring instrument: YHP MODEL 4191A RF IMPEDANCE ANALYZER

MA26V05 Panasonic









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