MA26V05

Silicon epitaxial planar type

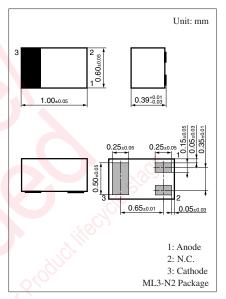
For VCO

■ Features

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

■ Absolute Maximum Ratings $T_a = 25$ °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	



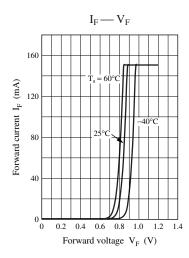
Marking Symbol: 2J

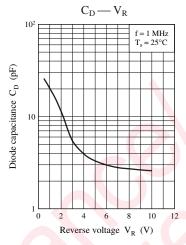
■ Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

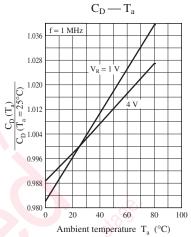
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current	I_R	$V_R = 10 \text{ V}$	000	0,,	10	nA
Diode capacitance	C_{D1V}	$V_R = 1 \text{ V, } f = 1 \text{ MHz}$	18.5	5-	20.5	pF
	$C_{\rm D4V}$	$V_R = 4 \text{ V, f} = 1 \text{ MHz}$	3.6		4.1	
Capacitance ratio	C _{D1V} /C _{D4V}	52: 62: 62:	4.7			_
Series resistance *	r _D	$V_R = 4 \text{ V, f} = 470 \text{ MHz}$			0.65	Ω

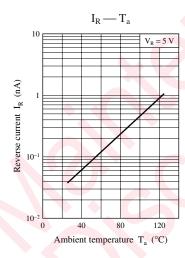
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

- 2. Absolute frequency of input and output is 470 MHz.
- 3. *: Measuring instrument: YHP MODEL 4191A RF IMPEDANCE ANALYZER









2 SKD00076CED

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