MA26V02

Silicon epitaxial planar type

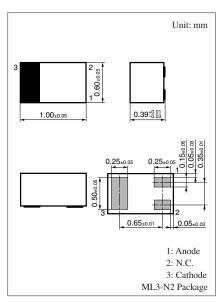
For VCO

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	6	V
Junction temperature	T _j	125	°C
Storage temperature	T_{stg}	-55 to +125	°C



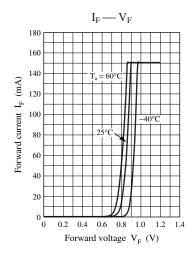
Marking Symbol: 2E

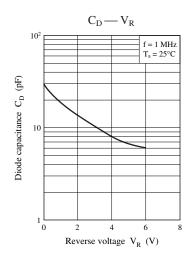
\blacksquare Electrical Characteristics $~T_a = 25 ^{\circ}C \pm 3 ^{\circ}C$

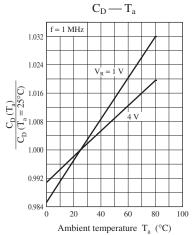
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current	I_R	$V_R = 5 V$			10	nA
Diode capacitance	C _{D1V}	$V_R = 1 V, f = 1 MHz$	18.0		20.0	pF
	C _{D4V}	$V_R = 4 V, f = 1 MHz$	7.3		9.0	
Capacitance ratio	C _{D1V} /C _{D4V}		2.1		2.6	_
Series resistance *	r _D	$V_R = 4 \text{ V, f} = 470 \text{ MHz}$			0.3	Ω

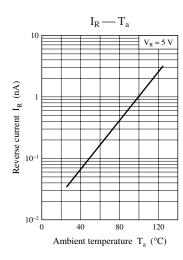
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

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









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