Panasonic

MA26V07

Silicon epitaxial planar type

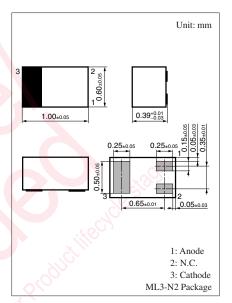
For VCO

■ 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 $T_a = 25$ °C

Parameter	Symbol	Symbol Rating	
Reverse voltage	V _R	6	V
Junction temperature	Tj	125	°C
Storage temperature	T _{stg}	-55 to +125	°C



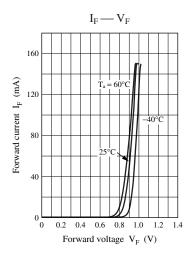
Marking Symbol: 2K

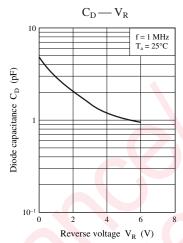
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

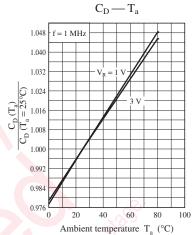
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current	I_R	$V_R = 5 \text{ V}$	000	0,,	10	nA
Diode capacitance	C_{D1V}	$V_R = 1 \text{ V, } f = 1 \text{ MHz}$	2.88	5-	3.12	pF
	C _{D3V}	$V_R = 3 \text{ V, f} = 1 \text{ MHz}$	1.49		1.62	
Capacitance ratio	C _{D1V} /C _{D3V}	95: 67: 10	1.84		2.02	_
Series resistance *	r_{D}	$V_R = 3 \text{ V, f} = 470 \text{ MHz}$			0.35	Ω

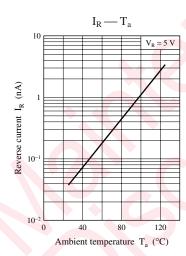
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

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









2 SKD00077CED

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