# **Panasonic**

# **MA26V19**

## Silicon epitaxial planar type

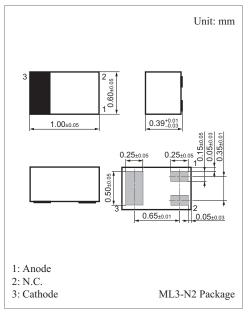
### For VCO

#### ■ Features

- $\mbox{\bf @}$  Good linearity and large capacitance-ratio in  $C_D$   $V_{R^l}$  relation
- Low series resistance r<sub>D</sub>

### ■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Reverse voltage	$V_R$	6	V	
Junction temperature	T <sub>j</sub>	125	°C	
Storage temperature	T <sub>stg</sub>	-55 to +125	°C	



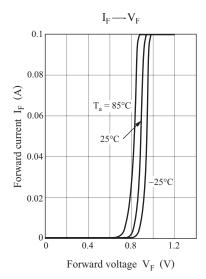
Marking Symbol: 6D

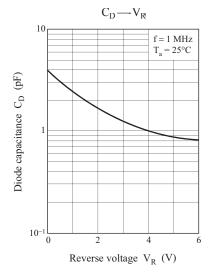
## ■ Electrical Characteristics $T_{a'} = 25$ °C±3°C

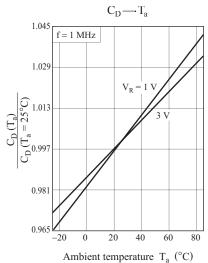
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current	$I_R$	$V_{R'} = 5 V$			10	nA
Diode capacitance	C <sub>D(1V)</sub>	$V_{RJ} = 1 \text{ V, } f = 1 \text{ MHz}$	2.30		2.50	pF
	C <sub>D(3V)</sub>	$V_{RJ} = 3 \text{ V, } f = 1 \text{ MHz}$	1.18		1.28	
Capacitance ratio	$C_{D(1V)} / C_{D(3V)}$		1.87		2.03	_
Series resistance *	$r_{\mathrm{D}}$	$V_{RJ} = 3 \text{ V, } f = 470 \text{ MHz}$			0.35	Ω

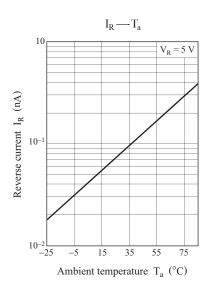
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
  - 2. Absolute frequency of input and output is 470 MHz
  - 3. \*: Measuring instrument: YHP 4191A RF IMPEDANCE ANALYZER

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