MA26V22

Silicon epitaxial planar type

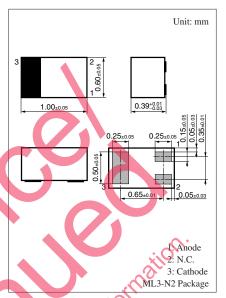
For VCO

■ Features

- ullet 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: 6H

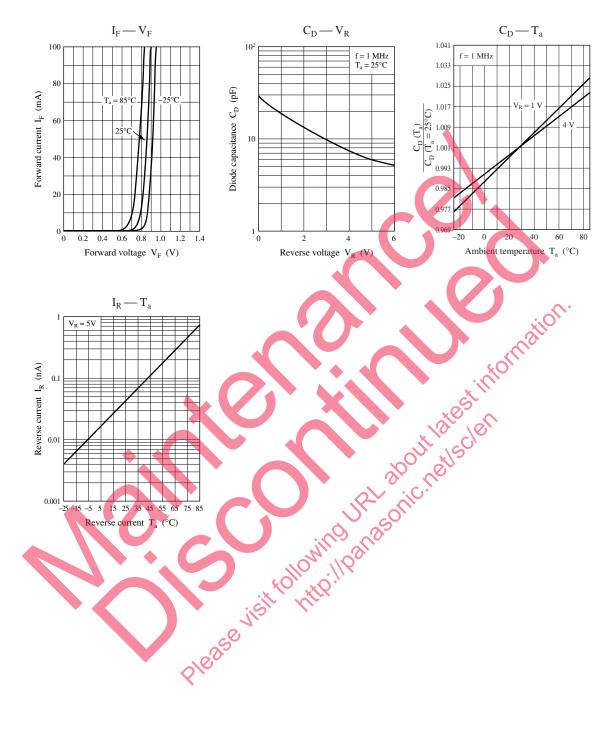
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current	I_R	$V_R = 5 \text{ V}$			10	nA
Diode capacitance	$C_{D(1V)}$	$V_R = 1 \text{ V, f} = 1 \text{ MHz}$	17.67		19.13	pF
	C _{D(4V)}	$V_R = 4 \text{ V. } Y = 1 \text{ MHz}$	7.02		7.60	
Capacitance ratio	$C_{D(1V)}/C_{D(4V)}$	colle cill	2.42		2.62	_
Series resistance *	r_{D}	$V_R = 4 \text{ V, } f = 470 \text{ MHz}$			0.30	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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