MA26V07

Silicon epitaxial planar type

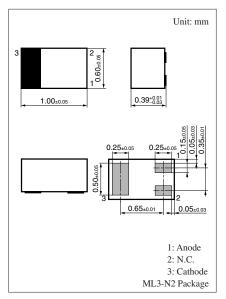
For VCO

■ 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	Rating	Unit
Reverse voltage (DC)	V_R	6	V
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55 to +125	°C



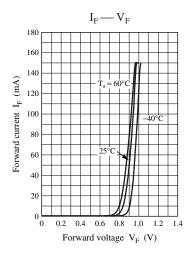
Marking Symbol: 2K

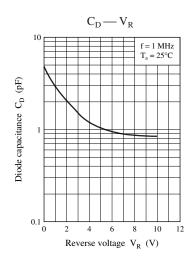
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

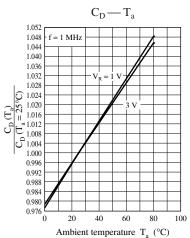
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 5 V$			10	nA
Diode capacitance	C _{D(1V)}	$V_R = 1 \text{ V, } f = 1 \text{ MHz}$	2.88		3.12	pF
	C _{D(3V)}	$V_R = 3 V, f = 1 MHz$	1.49		1.62	
Capacitance ratio	C _{D(1V)} /C _{D(3V)}		1.84		2.02	
Series resistance *	r_{D}	$V_R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

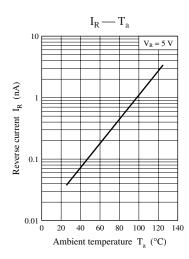
Note) 1. Rated input/output frequency: 470 MHz

^{2. *:} Measuring instrument; YHP MODEL 4191A RF IMPEDANCE ANALYZER









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