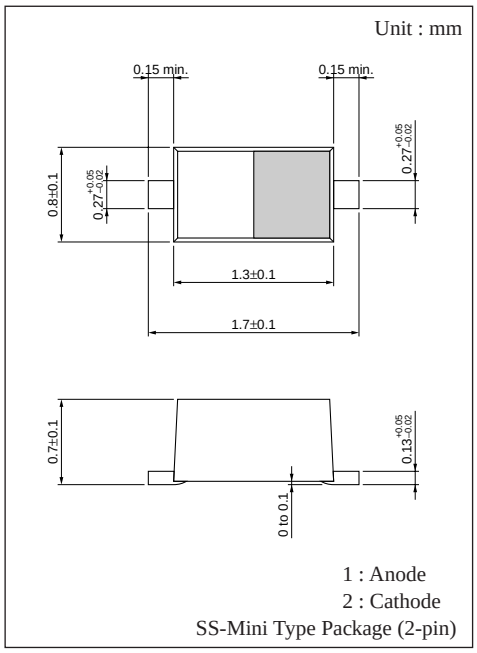
MA2SV03

Silicon epitaxial planer type

For VCO

■ Features

- Good linearity and large capacity ratio of $V_R - C_D$
- Small series resistance r_D
- SS-Mini package, enabling down-sizing of the equipment and automatic insertion through taping



Marking Symbol : 4

■ Absolute Maximum Ratings (Ta= 25˚C)

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	6	V
Junction temperature	T_j	150	˚C
Storage temperature	T_{stg}	– 55 to + 150	˚C

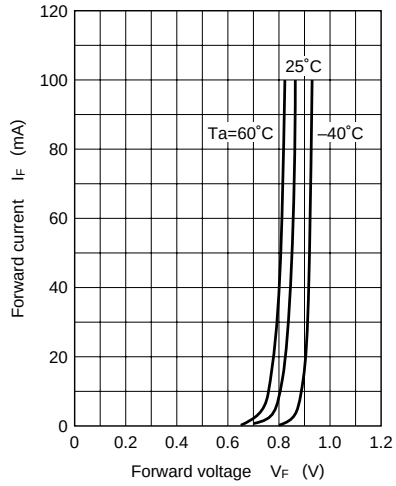
■ Electrical Characteristics (Ta= 25˚C)

Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	I_R	V_R=5V			10	nA
Diode capacitance	$C_{D(1V)}$	V_R=1V, f=1MHz	5.20		5.80	pF
	$C_{D(4V)}$	V_R= 4V, f=1MHz	2.10		2.58	pF
Capacitance ratio	$C_{D(1V)}/C_{D(4V)}$		2.1		2.6	—
Series resistance	r_D*	V_R= 4pF, f=470MHz			0.3	Ω

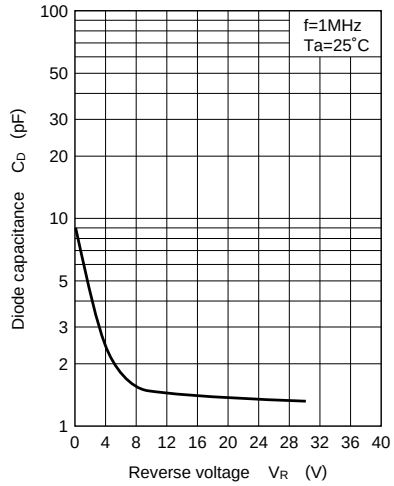
Note 1 : Rated input/output frequency : 470MHz
2 : * r_D measurement device : YHP MODEL 4191A RF IMPEDANCE ANALYZER

■ Marking

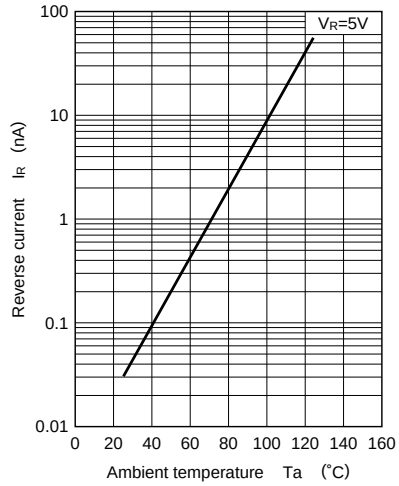
$I_F - V_F$



$C_D - V_R$



$I_R - Ta$



$C_D - Ta$