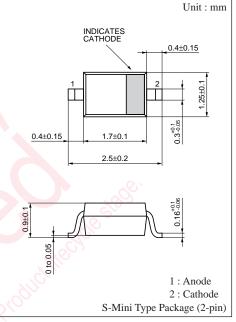
MA10301

Silicon epitaxial planer type

For VCO

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



■ Absolute Maximum Ratings (Ta= 25°C)

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	VR	15	V
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	- 55 to + 150	°C



Electrical Characteristics ($Ta = 25^{\circ}C$)

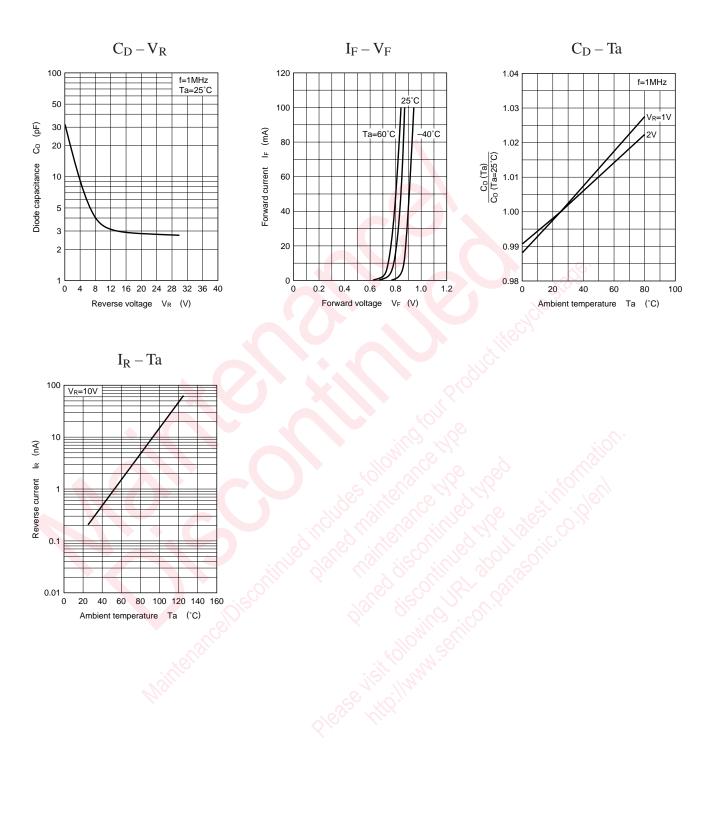
Parameter	Symbol	Condition	min typ	max	Unit
Reverse current (DC)	IR	V _R =10V	20 50	10	nA
Diode capacitance $C_{D(1V)}$ $C_{D(2V)}$	C _{D(1V)}	V _R =1V, f=1MHz	19.5	23.5	pF
	$V_R = 2V$, f=1MHz	14.3	17.6	pF	
Capacitance ratio	$C_{D(1V)}/C_{D(2V)}$	Que or illo il	1.3		
Series resistance	r _D *	V _R =4V, f=100MHz		0.35	Ω

Note 1 : Rated input/output frequency : 100MHz

2:* rD measurement device : YHP MODEL 4191A RF IMPEDANCE ANALYZER

Marking





Panasonic

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