

MA376

Silicon epitaxial planer type

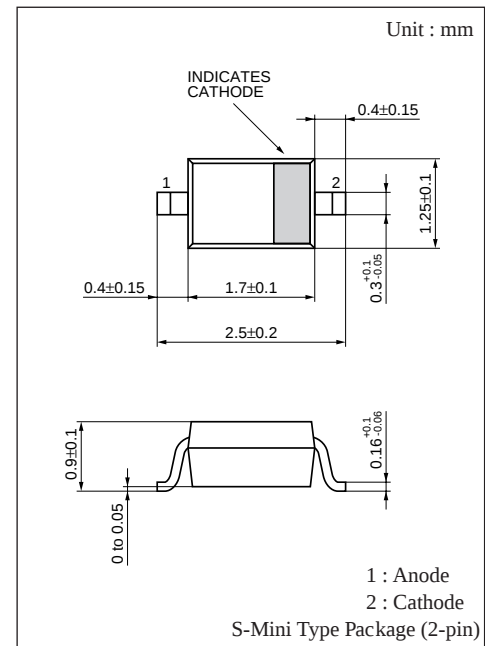
For UHF band wireless equipment VCO

■ Features

- 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)	V_R	6	V
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	– 55 to +150	°C



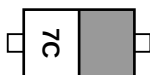
■ Electrical Characteristics (Ta= 25°C)

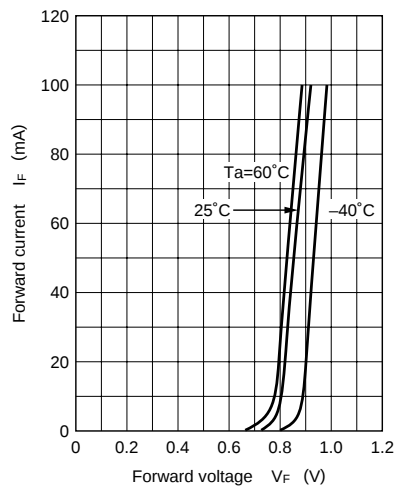
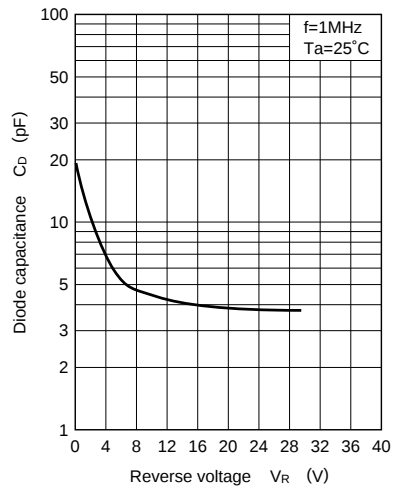
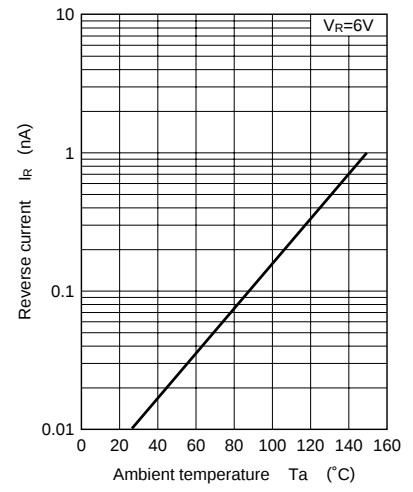
Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	I_R	$V_R = 6V$			10	nA
Diode capacitance	$C_{D(1V)}$	$V_R = 1V, f = 1MHz$	14.00		16.00	pF
	$C_{D(3V)}$	$V_R = 3V, f = 1MHz$	6.80		8.90	pF
Series resistance	r_D^*	$C_D = 9pF, f = 470MHz$			0.3	Ω

Note 1. Rated input/output frequency : 470MHz

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

■ Marking



$I_F - V_F$  $C_D - V_R$  $I_R - T_a$  $C_D - T_a$ 