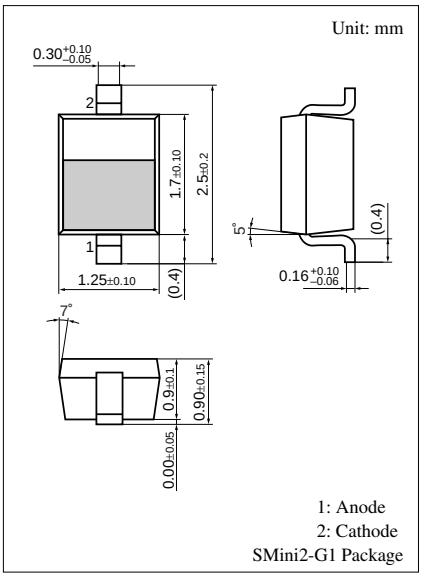
MA2Z368 (MA368)

Silicon epitaxial planar type

For UHF and SHF electronic tuners



Marking Symbol: 6L

■ Features

- Large capacitance ratio
- Small series resistance r_D
- S-Mini type package, allowing downsizing of equipment and automatic insertion through the taping package and magazine package

■ Absolute Maximum Ratings $T_a = 25°C$

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	32	V
Peak reverse voltage	V_{RM}	34	V
Forward current (DC)	I_F	20	mA
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	−55 to +150	°C

■ Electrical Characteristics $T_a = 25°C$

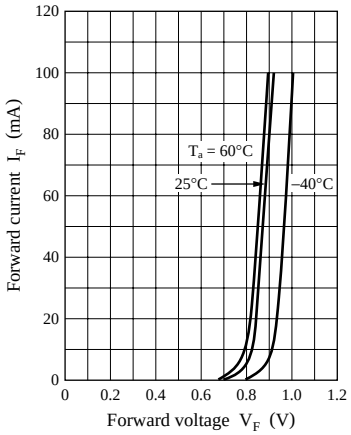
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	V_R = 30 V			50	nA
Diode capacitance	$C_{D(1V)}$	V_R = 1 V, f = 1 MHz	3.6	4.6	5.6	pF
	$C_{D(30V)}$	V_R = 30 V, f = 1 MHz	0.5	0.65	0.9	
Capacitance ratio	$C_{D(1V)}/C_{D(30V)}$		4			—
Series resistance *	r_D	V_R = 4.5 pF, f = 470 MHz		2		Ω

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

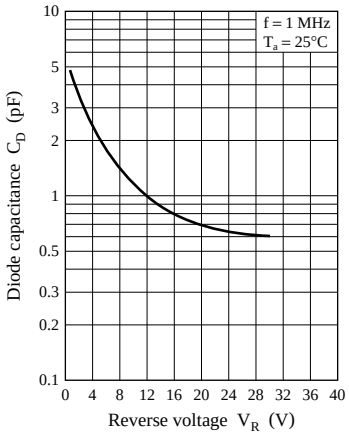
2. *: Measuring instrument; YHP MODEL 4191A RF IMPEDANCE ANALYZER

Note) The part number in the parenthesis shows conventional part number.

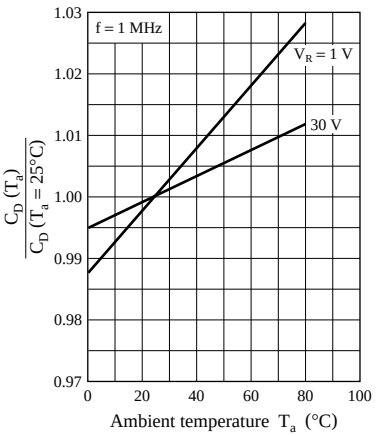
I_F — V_F



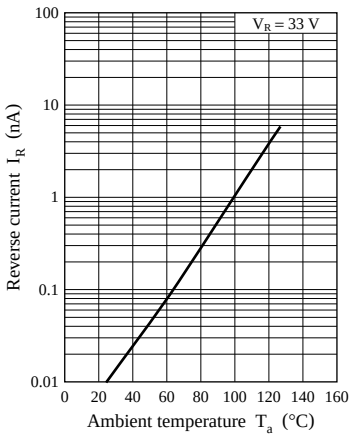
C_D — V_R



C_D — T_a



I_R — T_a



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