# MA2Z376 (MA376)

### Silicon epitaxial planar type

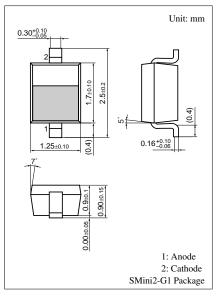
For VCO of UHF band radio

#### Features

- $\bullet$  Small series resistance  $r_{\rm D}$
- S-Mini type package, allowing downsizing of equipment and automatic insertion through the taping package

### **Absolute Maximum Ratings** $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V <sub>R</sub>	6	V
Junction temperature	Tj	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C



Marking Symbol: 7C

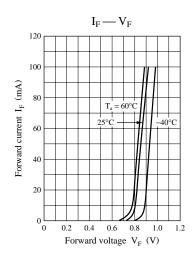
#### $\blacksquare Electrical Characteristics T_a = 25^{\circ}C$

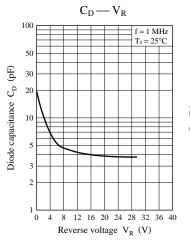
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I <sub>R</sub>	$V_R = 6 V$			10	nA
Diode capacitance	C <sub>D(1V)</sub>	$V_R = 1 V, f = 1 MHz$	14.00		16.00	pF
	C <sub>D(3V)</sub>	$V_R = 3 V, f = 1 MHz$	6.80		8.90	
Series resistance *	r <sub>D</sub>	$C_{\rm D} = 9 \text{ pF}, \text{ f} = 470 \text{ MHz}$			0.3	Ω

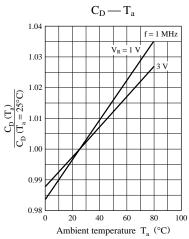
Note) 1. Rated input/output frequency: 470 MHz

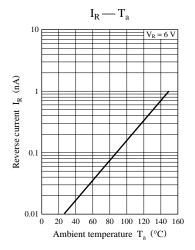
2. \*: Measuring instrument; YHP MODEL 4191A RF IMPEDANCE ANALYZER

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









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