MA2Z376 (MA376)

Silicon epitaxial planar type

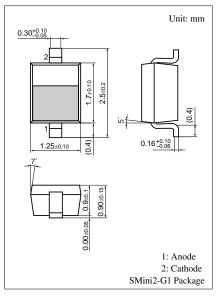
For VCO of UHF band radio

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 _R | 6 | V |
| Junction temperature | Tj | 150 | °C |
| Storage temperature | T _{stg} | -55 to +150 | °C |



Marking Symbol: 7C

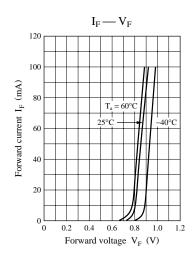
$\blacksquare Electrical Characteristics T_a = 25^{\circ}C$

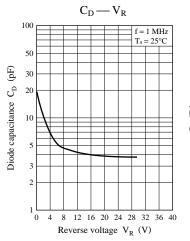
| Parameter | Symbol | Conditions | Min | Тур | Max | Unit |
|----------------------|--------------------|---|-------|-----|-------|------|
| Reverse current (DC) | I _R | $V_R = 6 V$ | | | 10 | nA |
| Diode capacitance | C _{D(1V)} | $V_R = 1 V, f = 1 MHz$ | 14.00 | | 16.00 | pF |
| | C _{D(3V)} | $V_R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

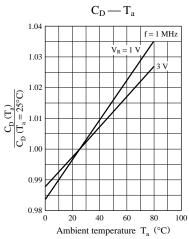
Note) 1. Rated input/output frequency: 470 MHz

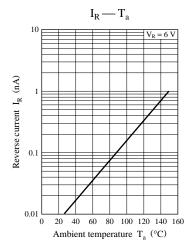
2. *: Measuring instrument; YHP MODEL 4191A RF IMPEDANCE ANALYZER

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









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