MA26376

Silicon epitaxial planar type

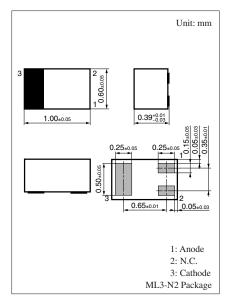
For UHF wireless telegraphic VCO

Features

- \bullet Good linearity and large capacitance-ratio in C_{D} V_{R} relation
- \bullet Small series resistance $r_{\rm D}$

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

| Parameter | Symbol | Rating | Unit |
|----------------------|------------------|-------------|------|
| Reverse voltage | V _R | 6 | V |
| Junction temperature | Tj | 125 | °C |
| Storage temperature | T _{stg} | -55 to +125 | °C |



Marking Symbol: 2T

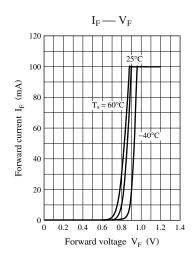
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

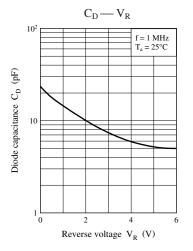
| Parameter | Symbol | Conditions | Min | Тур | Max | Unit |
|---------------------|------------------|---|-------|-----|-------|------|
| Reverse current | I _R | $V_R = 6 V$ | | | 10 | nA |
| Diode capacitance | C _{D1V} | $V_R = 1 V, f = 1 MHz$ | 14.00 | | 16.00 | pF |
| | C _{D3V} | $V_R = 3 V, f = 1 MHz$ | 6.80 | | 8.90 | |
| Series resistance * | r _D | $C_{\rm D} = 9 \text{ pF}, \text{ f} = 470 \text{ MHz}$ | | | 0.3 | Ω |

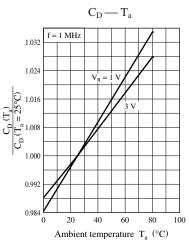
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring method for diodes.

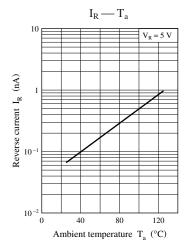
2. Absolute frequency of input and output is 470 MHz.

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









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