



MMVL3401

SURFACE MOUNT PIN DIODE

VOLTAGE 35 Volts **POWER** 200 mW

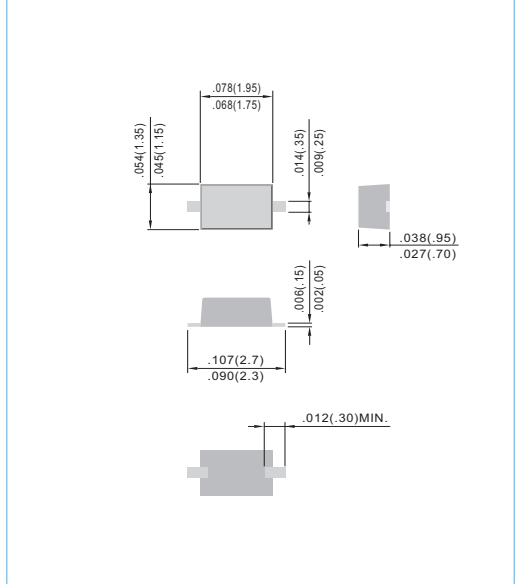
SOD-323 Unit: inch (mm)

FEATURES

- Very low series resistance at 100MHz (0.45 Ω typical@I_F=10mA)
- Low capacitance (0.8pF typical@V_R=20V)
- Surface mount package ideally suited for automatic insertion
- Pb free product are available : 99% Sn above can meet RoHS environment substance directive request

MECHANICAL DATA

- Case: SOD-323 plastic
- Terminals : Solderable per MIL-STD-750,Method 2026
- Approx Weight: 0.008 grams
- Device Marking : V34



ABSOLUTE RATINGS

| PARAMETER | SYMBOL | VALUE | UNITS |
|--|-----------------------------------|------------|-------|
| Maximum Reverse Voltage | V _R | 35 | V |
| Continuous Forward Current | I _F | 0.2 | A |
| Power Dissipation ⁽¹⁾ | P _{TOT} | 200 | mW |
| Junction and Storage Temperature Range | T _J , T _{STG} | -55 to 150 | °C |

THERMAL CHARACTERISTICS

| PARAMETER | SYMBOL | VALUE | UNITS |
|---|--------|-------|-------|
| Thermal Resistance , Junction to Ambient ⁽¹⁾ | RθJA | 625 | °C/W |

Note 1 : FR-5 Board 1.0 x 0.75 x 0.062 in.

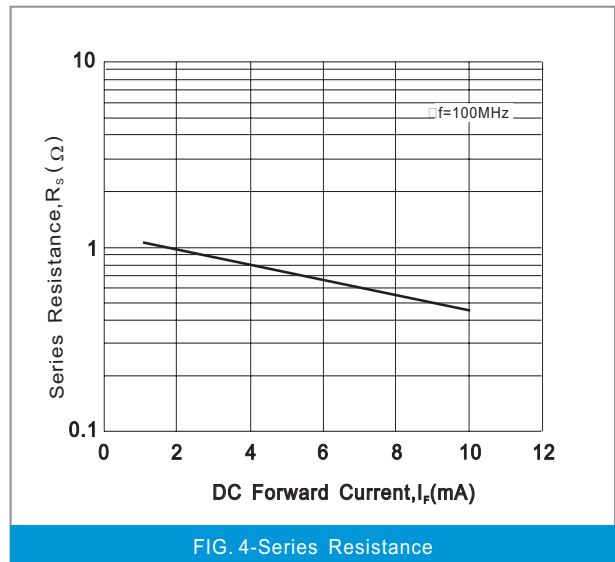
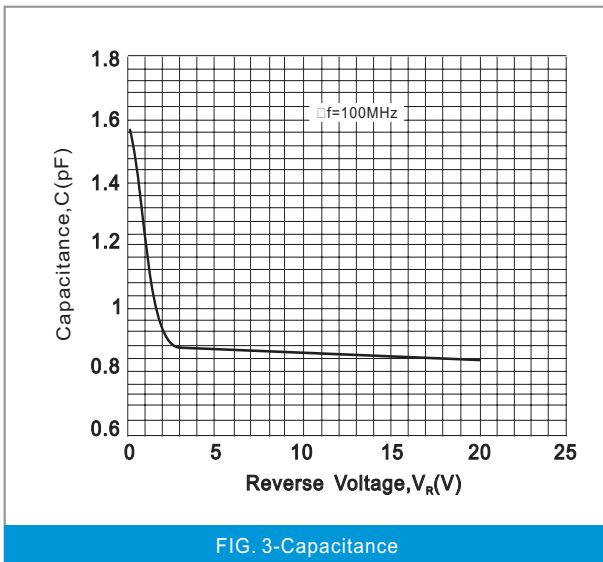
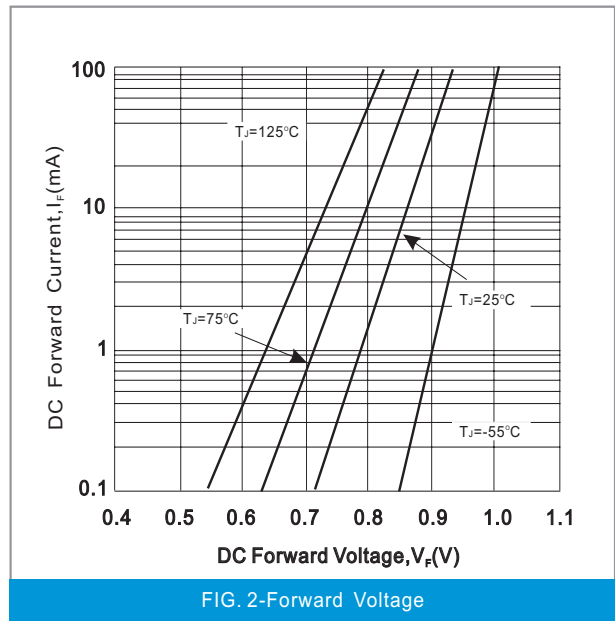
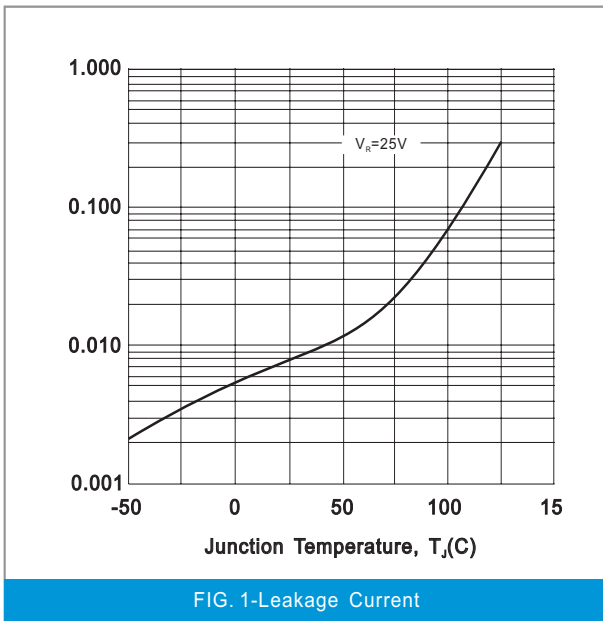


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ELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$, unless otherwise noted)

| PARAMETER | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNITS |
|---------------------------|------------|------------------------------------|------|------|------|----------|
| Reverse Breakdown Voltage | $V_{(BR)}$ | $I_R=10\mu\text{A}$ | 35 | - | - | V |
| Reverse Current | I_R | $V_R=25\text{V}$ | - | - | 100 | nA |
| Series Resistance | R_S | $I_F=10\text{mA}, f=100\text{MHz}$ | - | 0.45 | 0.7 | Ω |
| Total Capacitance | C_T | $f=1.0\text{MHz}; V_R=20\text{V}$ | - | - | 1.0 | pF |

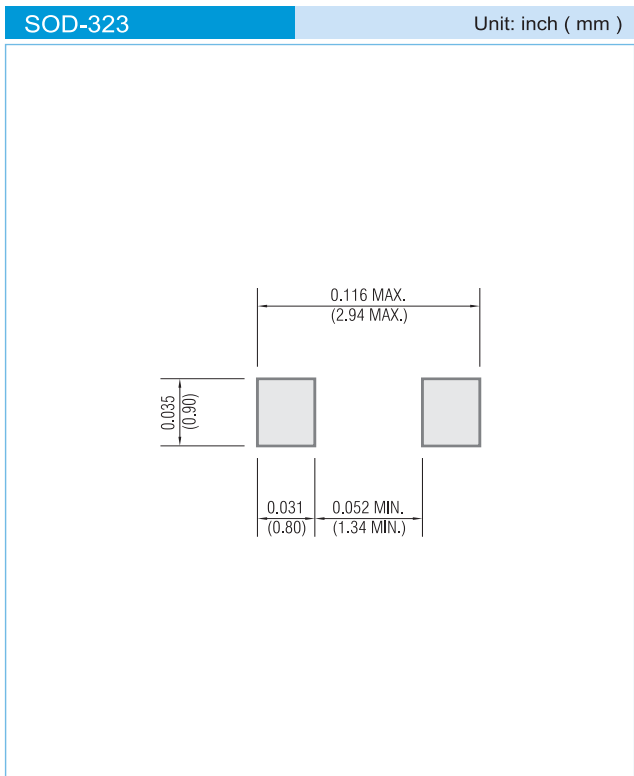
ELECTRICAL CHARACTERISTICS CURVE





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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information

T/R - 12K per 13" plastic Reel

T/R - 5K per 7" plastic Reel

LEGAL STATEMENT

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