

TOSHIBA DIODE SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

1SS154

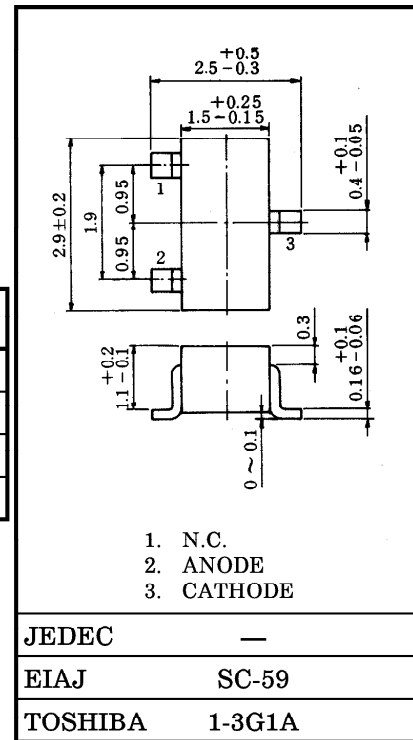
UHF~S BAND MIXER / DETECTOR APPLICATIONS

Unit in mm

- Small Package.

MAXIMUM RATINGS (Ta = 25°C)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|---------------------------|-----------|---------|------|
| Reverse Voltage | V_R | 6 | V |
| Forward Current | I_F | 30 | mA |
| Junction Temperature | T_j | 125 | °C |
| Storage Temperature Range | T_{stg} | -30~125 | °C |

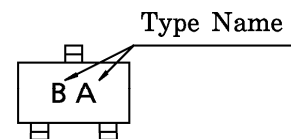


Weight : 0.012g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|-------------------|------------|---------------------|------|------|------|---------|
| Reverse Voltage | V_R | $I_R = 10\mu A$ | 6 | — | — | V |
| Reverse Current | I_R | $V_R = 5V$ | — | — | 0.5 | μA |
| Forward Voltage | $V_{F(1)}$ | $I_F = 0.1mA$ | — | — | 0.35 | V |
| Forward Voltage | $V_{F(2)}$ | $I_F = 10mA$ | — | 0.5 | — | V |
| Total Capacitance | C_T | $V_R = 0, f = 1MHz$ | — | 0.8 | — | pF |

Marking



961001EAA2

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