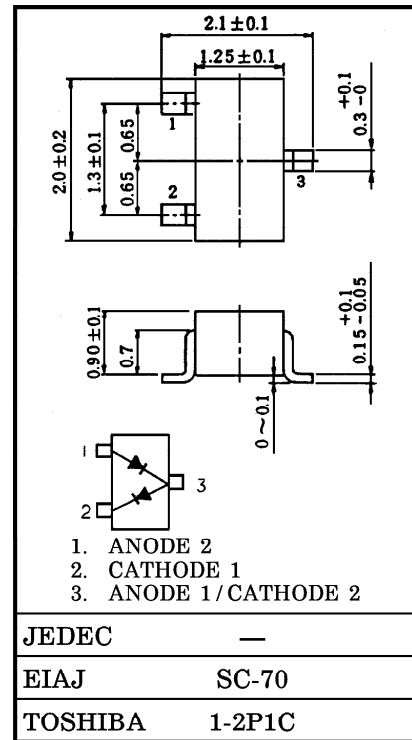


TOSHIBA DIODE SILICON EPITAXIAL PIN TYPE

# 1SV252

VHF~UHF BAND RF ATTENUATOR APPLICATIONS.

Unit in mm



Weight : 0.006g

MAXIMUM RATINGS (Ta = 25°C)

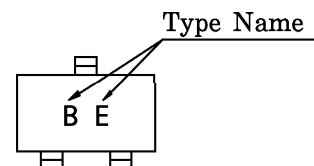
| CHARACTERISTIC            | SYMBOL    | RATING  | UNIT |
|---------------------------|-----------|---------|------|
| Reverse Voltage           | $V_R$     | 50      | V    |
| Forward Current           | $I_F$     | 50      | mA   |
| Junction Temperature      | $T_j$     | 125     | °C   |
| Storage Temperature Range | $T_{stg}$ | -55~125 | °C   |

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

| CHARACTERISTIC           | SYMBOL | TEST CONDITION           | MIN. | TYP. | MAX. | UNIT     |
|--------------------------|--------|--------------------------|------|------|------|----------|
| Reverse Voltage          | $V_R$  | $I_R = 10\mu A$          | 50   | —    | —    | V        |
| Reverse Current          | $I_R$  | $V_R = 50V$              | —    | —    | 0.1  | $\mu A$  |
| Forward Voltage          | $V_F$  | $I_F = 50mA$             | —    | 0.95 | —    | V        |
| Total Capacitance (Note) | $C_T$  | $V_R = 50V, f = 1MHz$    | —    | 0.25 | —    | pF       |
| Series Resistance        | $r_s$  | $I_F = 10mA, f = 100MHz$ | —    | 7    | —    | $\Omega$ |

Note :  $C_T$  is measured by 3 terminal method with capacitance bridge.

MARKING



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