

TOSHIBA Diode Silicon Epitaxial Pin Type

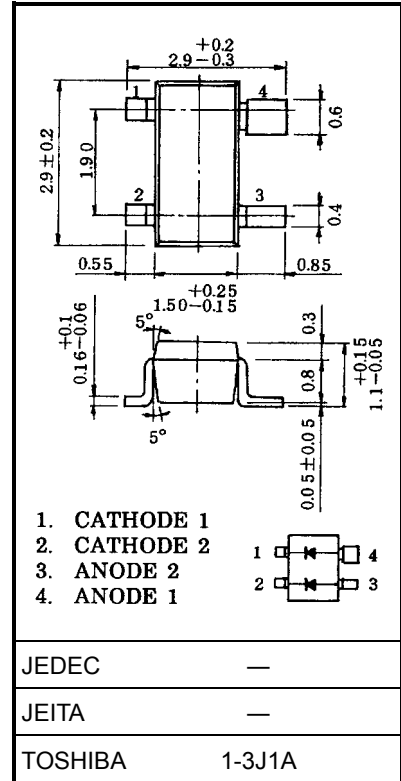
1SV237

VHF~UHF Band RF Attenuator Applications

Unit: mm

Maximum Ratings (Ta = 25°C)

| Characteristics | 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 |

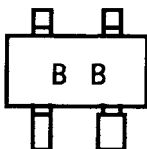


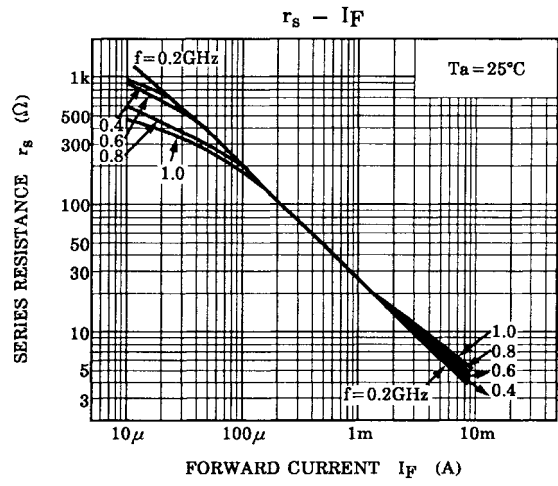
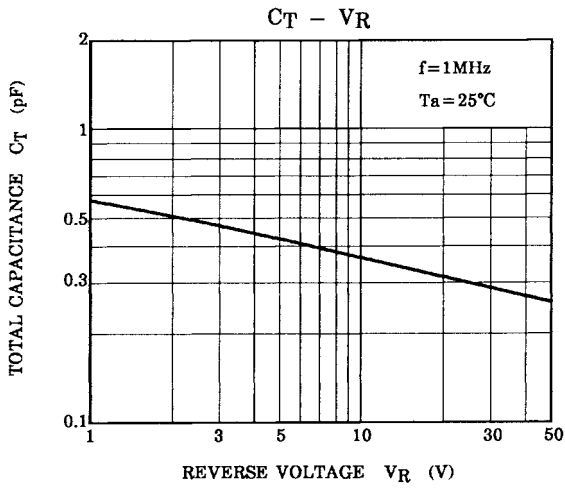
Electrical Characteristics (Ta = 25°C)

Weight: 0.013 g (typ.)

| Characteristics | Symbol | Test Condition | Min | Typ. | Max | Unit |
|-------------------|--------|----------------------------|-----|------|-----|----------|
| Reverse voltage | V_R | $I_R = 10 \mu A$ | 50 | — | — | V |
| Reverse current | I_R | $V_R = 50 V$ | — | — | 0.1 | μA |
| Forward voltage | V_F | $I_F = 50 mA$ | — | 0.95 | — | V |
| Total capacitance | C_T | $V_R = 50 V, f = 1 MHz$ | — | 0.25 | — | pF |
| Series resistance | r_s | $I_F = 10 mA, f = 100 MHz$ | — | 3.5 | — | Ω |

Marking





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