TOSHIBA DIODE SILICON EPITAXIAL PLANAR TYPE

155364

VHF TUNER BAND SWITCH APPLICATIONS

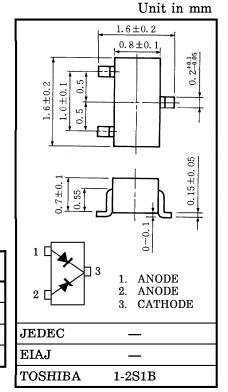
Small Package.

Small Total Capacitance : C_T=1.2pF (Max.)

Low Series Resistance : $r_{\rm S} = 0.6\Omega \, ({\rm Typ.})$

MAXIMUM RATINGS (Ta = 25°C)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|---------------------------|------------------|---------|------|
| Reverse Voltage | v_{R} | 30 | V |
| Forward Current | $I_{\mathbf{F}}$ | 50 | mA |
| Junction Temperature | T_{j} | 125 | °C |
| Storage Temperature Range | ${ m T_{stg}}$ | -55~125 | °C |



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|-------------------|------------------|---|------|------|------|----------------|
| Forward Voltage | $ m V_{ m F}$ | $I_{ m F}$ = 2mA | _ | | 0.85 | V |
| Reverse Current | ${ m I_R}$ | $V_R = 15V$ | _ | | 0.1 | μ A |
| Reverse Voltage | $ m v_R$ | $I_R = 1 \mu A$ | 30 | _ | . — | V |
| Total Capacitance | $\mathrm{C_{T}}$ | $V_R=6V, f=1MHz$ | _ | 0.85 | 1.2 | рF |
| Series Resistance | r_{s} | $I_{\mathrm{F}} = 2 \mathrm{mA}$, $f = 100 \mathrm{MHz}$ | _ | 0.6 | 0.9 | Ω |

Marking



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