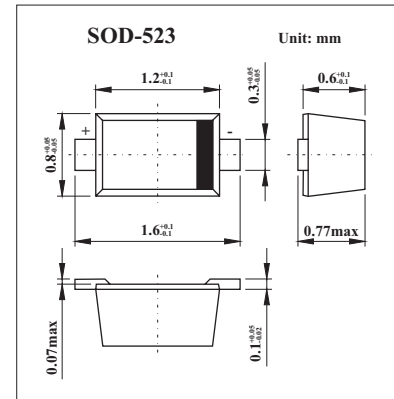


VHF TUNER BAND SWITCH APPLICATIONS

1SS381

■ Features

- Small Total Capacitance: $C_T = 1.2\text{pF}(\text{Max.})$
- Low Series Resistance: $r_s = 0.6\ \Omega(\text{Typ.})$

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Rating | Unit |
|---------------------------|------------------|-------------|------------------|
| Reverse voltage | V_R | 30 | V |
| Forward current | I_F | 100 | mA |
| Junction temperature | T_j | 125 | $^\circ\text{C}$ |
| Storage temperature range | T_{stg} | -55 to +125 | $^\circ\text{C}$ |

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|-------------------|--------|-----------------------------------------|-----|-----|------|----------------|
| Forward voltage | V_F | $I_F = 2\text{ mA}$ | | | 0.85 | V |
| Reverse current | I_R | $V_R = 15\text{ V}$ | | | 0.1 | $\mu\text{ A}$ |
| Reverse voltage | V_R | $I_R = 1\ \mu\text{ A}$ | 30 | | | V |
| Total capacitance | C_T | $V_R = 6\text{ V}, f = 1\text{ MHz}$ | | 0.7 | 1.2 | pF |
| Series resistance | r_s | $I_F = 2\text{ mA}, f = 100\text{ MHz}$ | | 0.6 | 0.9 | Ω |

■ Marking

| | |
|---------|----|
| Marking | TY |
|---------|----|