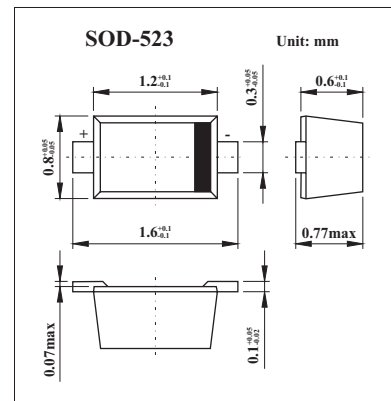


Band switching diode

1SS390

■ Features

- Extremely Small surface mounting type. (EMD2)
- High reliability.

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

| Parameter | Symbol | Limits | Unit |
|----------------------|-----------|-------------|------------------|
| DC reverse voltage | V_R | 35 | V |
| DC forward current | I_F | 100 | mA |
| Junction temperature | T_j | 125 | $^\circ\text{C}$ |
| Storage temperature | 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 | $I_F = 10\text{ mA}$ | | | 1.0 | V |
| Reverse current | I_R | $V_R = 25\text{ V}$ | | | 10 | nA |
| Capacitance between terminals | C_T | $V_R = 6\text{ V}$, $f = 1\text{ MHz}$ | | | 1.2 | pF |
| Forward operating resistance | r_F | $I_F = 2\text{ mA}$, $f = 100\text{ MHz}$ | | | 0.9 | Ω |