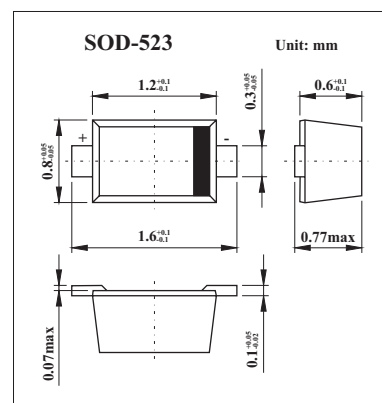


## Band switching diode

## 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 | $\Omega$ |