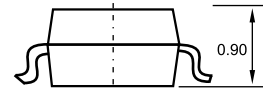
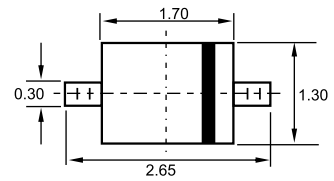
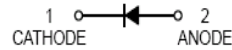


1SS357

Surface Mounting Schottky Diode

SOD-323



Features

- ✧ Small Surface Mounting Type: SOD-323
- ✧ Low V_F .
- ✧ Low I_R

Applications

- ✧ Surface mount schottky diode

Dimensions in inches and (millimeters)

Ordering Information

| Type No. | Marking | Package Code |
|----------|---------|--------------|
| 1SS357 | S31 | SOD-323 |

MAXIMUM RATING @ $T_a=25^\circ\text{C}$ unless otherwise specified

| Parameter | Symbol | Limits | Unit |
|-------------------------------------|-----------|----------|------------------|
| Non-Repetitive Peak reverse voltage | V_{RM} | 45 | V |
| DC Reverse Voltage | V_R | 40 | V |
| Peak forward Current | I_{FSM} | 1 | A |
| Average Rectified Output Current | I_O | 100 | mA |
| Junction temperature | T_j | 125 | $^\circ\text{C}$ |
| Storage temperature | T_{STG} | -55~+125 | $^\circ\text{C}$ |

ELECTRICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-------------------------------|--------|------|------|------|---------------|--------------------------------|
| Forward voltage | V_F | | | 0.28 | V | $I_F=1\text{mA}$ |
| | | | | 0.36 | | $I_F=10\text{mA}$ |
| | | | | 0.60 | | $I_F=100\text{mA}$ |
| Reverse current | I_R | | | 5 | μA | $V_R=40\text{V}$ |
| Capacitance between terminals | C_T | | | 25 | pF | $V_R=0\text{V}, f=1\text{MHz}$ |