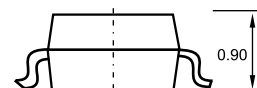
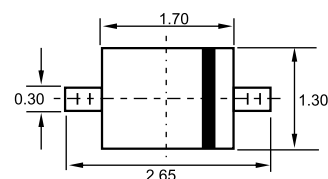


## SOD-323



## Features

- ✧ Small surface mounting type.
- ✧ High speed.
- ✧ High reliability with high surge current handling capability

## Applications

- ✧ High speed switching

## Ordering Information

Dimensions in inches and (millimeters)

| Type No. | Marking | Package Code |
|----------|---------|--------------|
| 1SS404   | S51     | SOD-323      |

MAXIMUM RATING @ Ta=25°C unless otherwise specified

| Parameter                        | Symbol    | Limits   | Unit |
|----------------------------------|-----------|----------|------|
| Peak reverse voltage             | $V_{RM}$  | 25       | V    |
| DC Reverse Voltage               | $V_R$     | 20       | V    |
| Peak forward Current             | $I_{FM}$  | 700      | mA   |
| Average Rectified Output Current | $I_O$     | 300      | mA   |
| Power Dissipation                | $P_D$     | 200      | mW   |
| Junction temperature             | $T_j$     | 125      | °C   |
| Storage temperature              | $T_{STG}$ | -55~+125 | °C   |

ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

| Parameter                     | Symbol | Min. | TYP.                 | Max. | Unit | Conditions                             |
|-------------------------------|--------|------|----------------------|------|------|----------------------------------------|
| Forward voltage               | $V_F$  |      | 0.16<br>0.22<br>0.38 | 0.45 | V    | $I_F=1mA$<br>$I_F=10mA$<br>$I_F=300mA$ |
| Reverse current               | $I_R$  |      |                      | 50   | μA   | $V_R=20V$                              |
| Capacitance between terminals | $C_T$  |      |                      | 46   | pF   | $V_R=0V, f=1MHz$                       |