

# 1SS108

## FEATURES :

- High reliability with glass seal
- Small temperature coefficient.
- Pb / RoHS Free

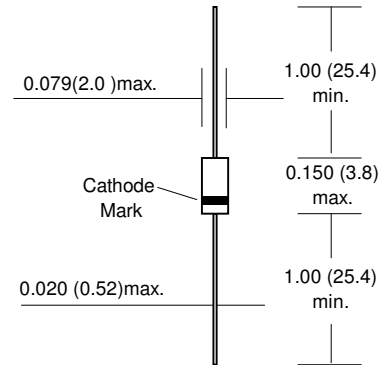
## MECHANICAL DATA :

**Case:** DO-35 Glass Case

**Weight:** approx. 0.13g

## SCHOTTKY BARRIER DIODES

### DO - 35 Glass (DO-204AH)



Dimensions in inches and ( millimeters )

## Maximum Ratings and Thermal Characteristics (Rating at 25 °C ambient temperature unless otherwise specified.)

| Parameter                 | Symbol    | Value        | Unit |
|---------------------------|-----------|--------------|------|
| Reverse Voltage           | $V_R$     | 30           | V    |
| Average Rectified Current | $I_o$     | 15           | mA   |
| Junction Temperature      | $T_J$     | 125          | °C   |
| Storage temperature range | $T_{stg}$ | -55 to + 125 | °C   |

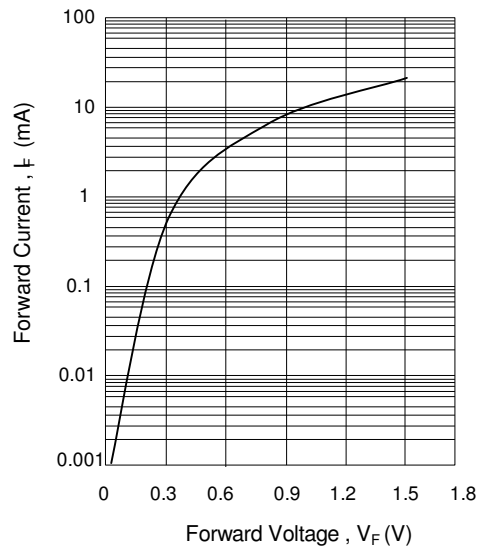
Note: (1) Valid provided that leads at a distance of 4mm from case are kept at ambient temperature.

## Electrical Characteristics ( $T_J = 25^\circ\text{C}$ unless otherwise noted)

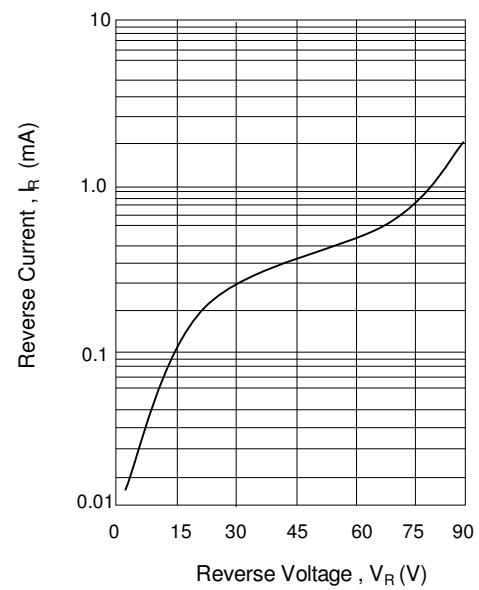
| Parameter         | Symbol | Test Condition                       | Min | Typ | Max | Unit          |
|-------------------|--------|--------------------------------------|-----|-----|-----|---------------|
| Reverse Current   | $I_R$  | $V_R = 10\text{ V}$                  | -   | -   | 100 | $\mu\text{A}$ |
| Forward Current   | $I_F$  | $V_F = 1\text{ V}$                   | 3   | -   | -   | mA            |
| Diode Capacitance | Cd     | $V_R = 1\text{ V}, f = 1\text{ MHz}$ | -   | -   | 3   | pF            |

## RATING AND CHARACTERISTIC CURVES ( 1SS108 )

Forward Current VS. Forward Voltage



Reverse Current VS. Reverse Voltage



Diode capacitance VS. Reverse Voltage

