

1SS106

FEATURES :

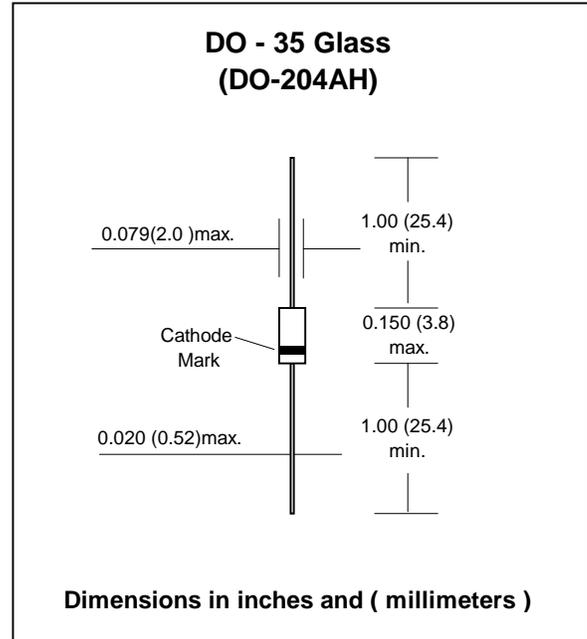
- High reliability with glass seal
- Small temperature coefficient.
- Pb / RoHS Free

MECHANICAL DATA :

Case: DO-35 Glass Case

Weight: approx. 0.13g

SCHOTTKY BARRIER DIODES



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

| Parameter | Symbol | Value | Unit |
|---------------------------|-----------|--------------|------|
| Reverse Voltage | V_R | 10 | V |
| Average Rectified Current | I_o | 30 | mA |
| Junction Temperature | T_J | 125 | °C |
| Storage temperature range | T_{stg} | -55 to + 125 | °C |

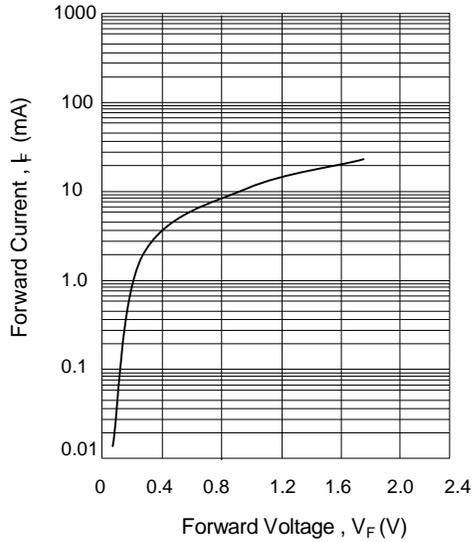
Note: (1) Valid provided that leads at a distance of 4mm from case are kept at ambient temperature.

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

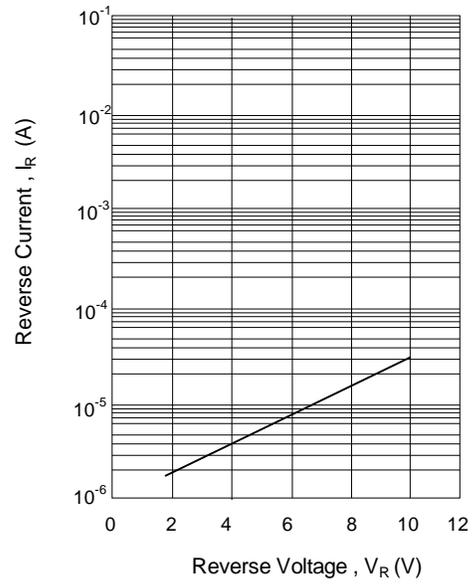
| Parameter | Symbol | Test Condition | Min | Typ | Max | Unit |
|-------------------|--------|--------------------------------------|-----|-----|-----|---------------|
| Reverse Current | I_R | $V_R = 6\text{ V}$ | - | - | 70 | μA |
| Forward Current | I_F | $V_F = 1\text{ V}$ | 4.5 | - | - | mA |
| Diode Capacitance | Cd | $V_R = 1\text{ V}, f = 1\text{ MHz}$ | - | - | 1.5 | pF |

RATING AND CHARACTERISTIC CURVES (1SS106)

Forward Current VS. Forward Voltage



Reverse Current VS. Reverse Voltage



Diode capacitance VS. Reverse Voltage

