

# 1SS199

## FEATURES :

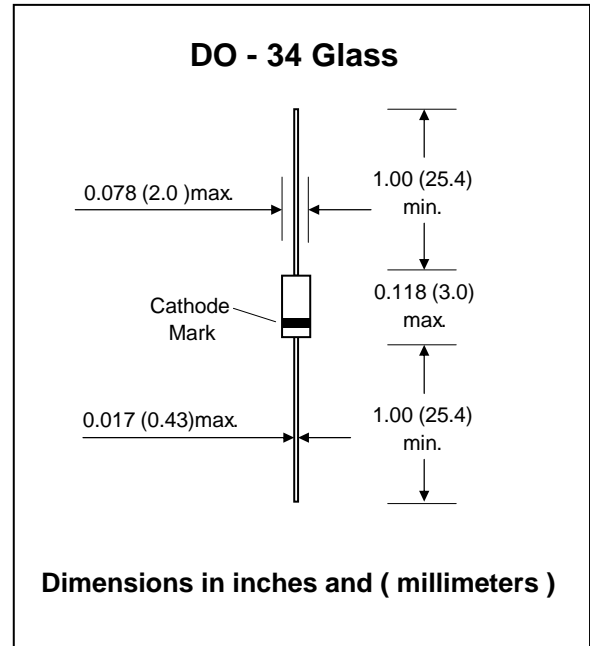
- Detection efficiency is very good.
- Small temperature coefficient.
- High reliability.
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- Pb / RoHS Free

## MECHANICAL DATA :

**Case:** DO-34 Glass Case

**Weight:** approx. 0.11g

## SCHOTTKY BARRIER DIODE



## 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

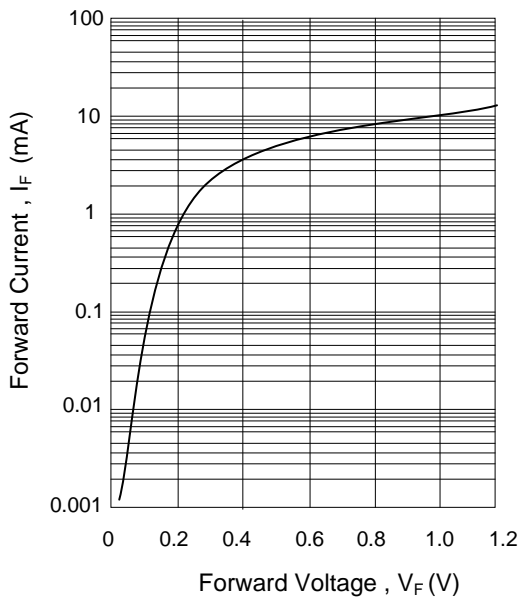
Note: (1) Valid provided that leads at a distance of 4mm from case are kept at ambient temperature.

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

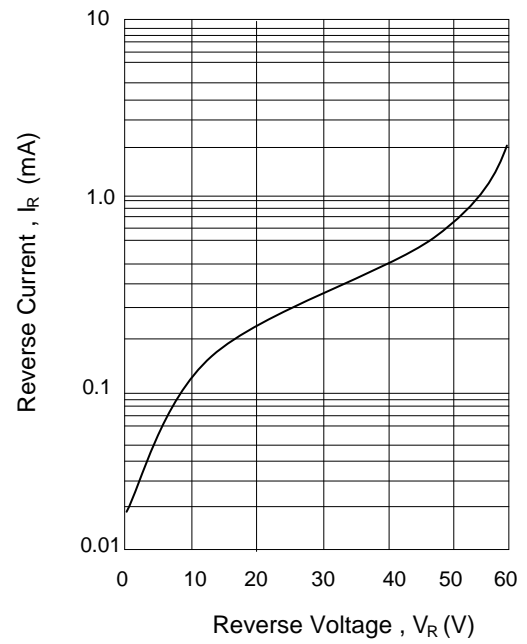
Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Reverse Current	$I_R$	$V_R = 10 \text{ V}$	-	-	100	$\mu\text{A}$
Forward Current	$I_F$	$V_F = 1 \text{ V}$	3.0	-	-	mA
Diode Capacitance	$C_d$	$V_R = 1 \text{ V}, f = 1 \text{ MHz}$	-	-	3.0	pF

**RATING AND CHARACTERISTIC CURVES ( 1SS199 )**

**Forward Current VS. Forward Voltage**



**Reverse Current VS. Reverse Voltage**



**Diode capacitance VS. Reverse Voltage**

