

1SS198

FEATURES :

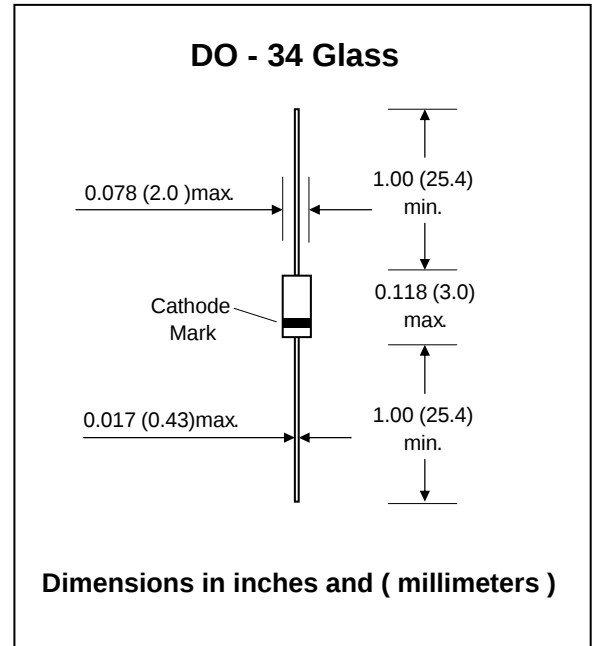
- Low forward voltage
- High breakdown voltage
- Guard ring protected
- Hermetically-sealed leaded glass package
- Low diode capacitance.
- Pb / RoHS Free

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	10	V
Average Rectified Current	I_o	30	mA
Junction Temperature	T_J	125	°C
Storage temperature range	T_{stg}	-55 to + 125	°C

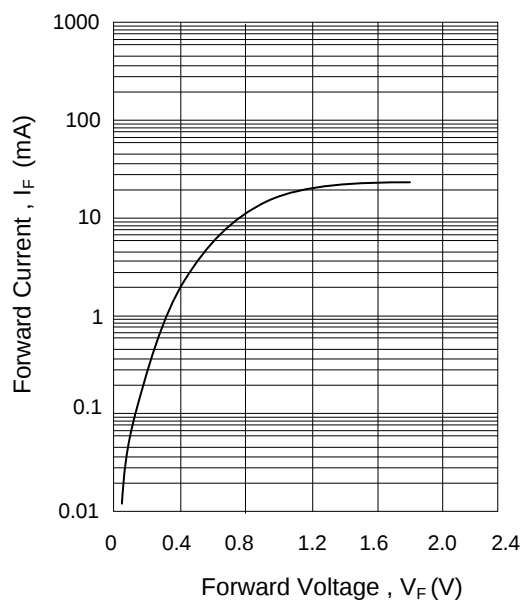
Note: (1) Valid provided that leads at a distance of 4mm from case are kept at ambient temperature.

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

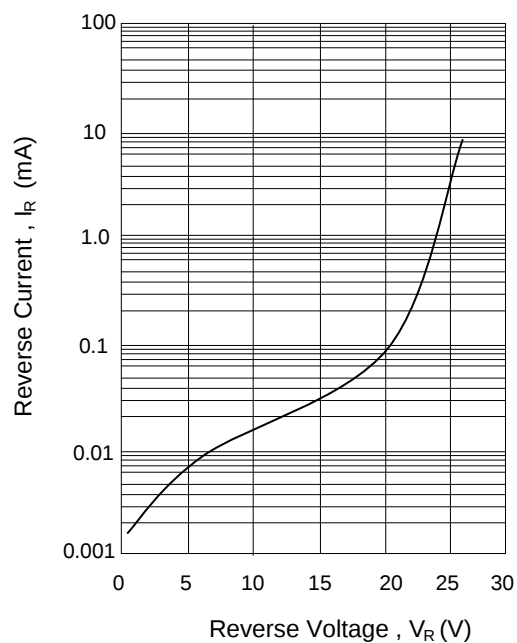
Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Reverse Current	I_R	$V_R = 6 \text{ V}$	-	-	70	μA
Forward Current	I_F	$V_F = 1 \text{ V}$	4.5	-	-	mA
Diode Capacitance	C_d	$V_R = 1 \text{ V}, f = 1 \text{ MHz}$	-	-	1.5	pF

RATING AND CHARACTERISTIC CURVES (1SS198)

Forward Current VS. Forward Voltage



Reverse Current VS. Reverse Voltage



Diode capacitance VS. Reverse Voltage

