

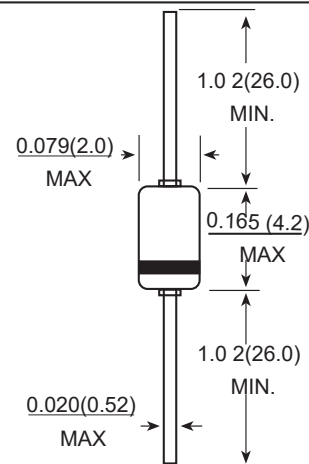
DO-35 Glass Switching Diode

Features

- Fast Switching Device (TRR <4.0 nS)
- Power Dissipation of 500mW
- High Stability and High Reliability
- Low reverse leakage

Mechanical Data

- Case: DO-35 Glass Case
- Polarity: Color band denotes cathode end
- Mounting Position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Forward voltage	V_F	mV	$I_F=200\text{mA}$	1000
Reverse current	I_R	nA	$V_R=20\text{V}$	25
	I_R	μA	$V_R=20\text{V}, T_j=150^\circ\text{C}$	50
	I_R	μA	$V_R=75\text{V}$	5
Breakdown voltage	$V_{(BR)}$	V	$I_R=100\mu\text{A}, t_p/T=0.01, t_p=0.3\text{ms}$	100(min)
Diode capacitance	C_D	pF	$V_R=0, f=1\text{MHz}, V_{HF}=50\text{mV}$	4
Reverse recovery time	t_{rr}	ns	$I_F=I_R=10\text{mA}, i_R=1\text{mA}$	8
	t_{rr}	ns	$I_F=10\text{mA}, V_R=6\text{V}, i_R=0.1 \times I_R, R_L=100\Omega$	4

Ordering Information (Example)

PREFERRED P/N	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
1N4148	0.115	2000	10000	120000	Bulk
1N4148	0.115	5000	5000	100000	Tape

RATINGS AND CHARACTERISTIC CURVES

FIG1: Forward Voltage vs. Junction Temperature

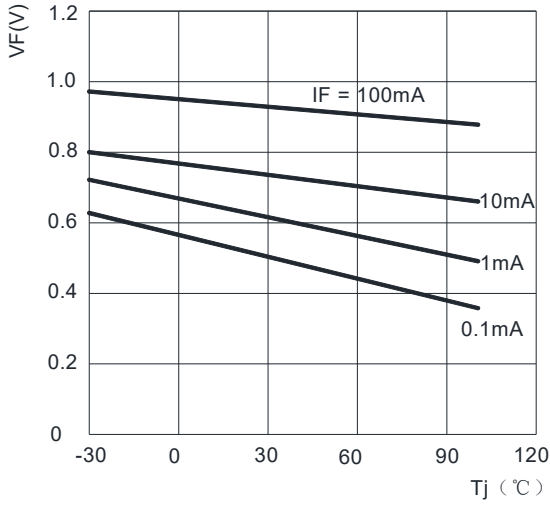


FIG2: Forward Current vs. Forward Voltage

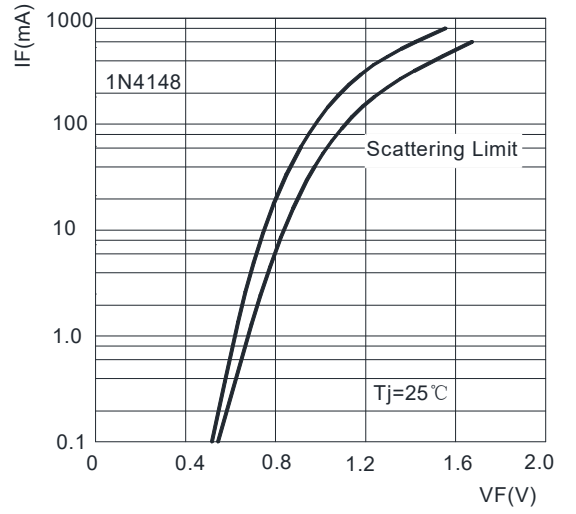


FIG3: Reverse Current vs. Reverse Voltage

