

Microsemi Corp.
The diode experts



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**1N4150 and
1N4150-1**



FEATURES

- MICROMINIATURE PACKAGE
- VOIDLESS HERMETICALLY SEALED GLASS PACKAGE
- METALLURGICALLY BONDED
- JANS/TXV, TX TYPES AVAILABLE PER MIL-S-19500/231.
CONSULT FACTORY FOR QUALIFIED JANS 1N6640 IN MIL-S-19500/609. THIS SUPERCEDES JANS4150.

MAXIMUM RATINGS

Operating Temperature: - 65°C to + 150°C
Storage Temperature: - 65°C to + 200°C
Forward Surge Current: 4 Amps ($t_p = 1\mu s$); 0.5 A ($t_p = 1s$)

ELECTRICAL CHARACTERISTICS at 25°C unless otherwise specified.

V_{BR} (Min.)	V_{RWM}	I_0	I_R @ $V_R = 50Vdc$	I_R @ $V_R = 50Vdc$	t_{rr} (Note 1)	t_{rr} (Note 2)
Volts	Volts (pk)	mA	μA dc	μA dc*	nsec	nsec
75	50	200	0.1	100	4	6

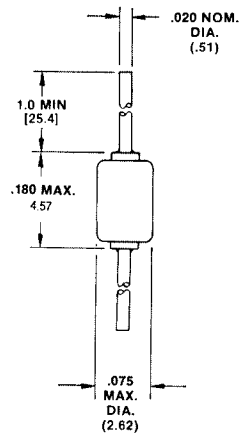
* $T_A = 150^\circ C$

CAPACITANCE $V_R = 0$ Volts 1 MHz, 50 mVpp	V_{f1} @ $I_f = 1mA$ dc	V_{f2} @ $I_f = 10mA$	V_{f3} @ $I_f = 50mA$ (pulsed)	V_{f4} @ $I_f = 100mA$ (pulsed)	V_{f5} @ $I_f = 200mA$ (pulsed)
pF	Vdc	Vdc	Vdc	Vdc	Vdc
2.5	0.54 - 0.62	0.66 - 0.74	0.76 - 0.86	0.82 - 0.92	0.87 - 1.00

NOTE 1: $I_F = I_R = 10 - 200 mA$ dc, $R_L = 100$ ohms.

NOTE 2: $I_F = I_R = 200 - 400 mA$ dc, $R_L = 100$ ohms.

**MILITARY
SWITCHING
DIODES**



**FIGURE 1
DO-35**

**MECHANICAL
CHARACTERISTICS**

CASE: Hermetically sealed glass case (DO-35).

LEAD MATERIAL: Tinned copper clad steel.

MARKING: Body painted, alpha numeric.

POLARITY: Cathode band.