



Microsemi Corp.
The diode experts

JAN1N914

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FEATURES

- MICROMINIATURE PACKAGE
- HERMETICALLY SEALED
- ULTRASTABLE OPERATION
- JAN, TX, TXV DEVICES AVAILABLE PER MIL-S-19500/116

MAXIMUM RATINGS

Operating Temperature: -65°C to +175°C
Storage Temperature: -65°C to +200°C
Surge Current: 1000 mA (8.3 msec.)

ELECTRICAL CHARACTERISTICS at 25°C unless otherwise specified.

V_{BR}	V_{RWM}	I_0	V_f @ $I_f = 50 \text{ mA}$	V_f @ $I_f = 10 \text{ mA}$	t_{rr} (Note 1)	V_{rr} (Note 2)
Volts (Min.)	Volts (pk)	mA	V dc	V dc	nsec	nsec
100	75	75	1.2	1.0	5	20

I_R @ 20V dc	I_R @ 75V dc	I_R @ 20V dc $T_A = 150^\circ\text{C}$	I_R @ 75V dc $T_A = 150^\circ\text{C}$	CAPACITANCE (Note 3)	CAPACITANCE (Note 4)
nA	μA	μA	μA	pF	pF
25	0.5	50	100	4.0	2.8

- NOTE 1: $I_F = I_R = 10 \text{ mA}$, $R_L = 100 \text{ ohms}$.
NOTE 2: $I_F = 50 \text{ mA dc}$.
NOTE 3: $V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$, $V_{SIG} = 50 \text{ mV (pk to pk)}$.
NOTE 4: $V_R = 1.5 \text{ V dc}$, $f = 1 \text{ MHz}$, $V_{SIG} = 50 \text{ mV (pk to pk)}$.

MILITARY SWITCHING DIODES

All dimensions in INCH
m.m.

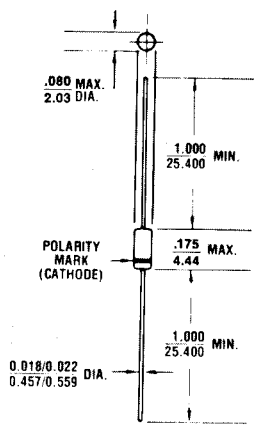


FIGURE 1

MECHANICAL CHARACTERISTICS

- CASE: Hermetically sealed glass case (DO-35).
LEAD MATERIAL: Tinned copper clad steel.
MARKING: Body painted, alpha numeric.
POLARITY: Cathode band.