

**1N5221
thru
1N5281
DO-7**

OR

DO-35

**SILICON
500 mW
ZENER DIODES**

FEATURES

- 2.4 THRU 200 VOLTS
- COMPACT PACKAGE

MAXIMUM RATINGS

Operating and Storage Temperature: -65°C to $+200^{\circ}\text{C}$
DC Power Dissipation: 500 mW
Power Derating: 4.0 mW/ $^{\circ}\text{C}$ above 75°C
Forward Voltage @ 200 mA: 1.1 Volts

ELECTRICAL CHARACTERISTICS

See following page for table of parameter values. (Fig. 3)

Table as shown on following page (Fig. 3) lists JEDEC type numbers, which indicate a tolerance of $\pm 20\%$ with guaranteed limits on only V_Z , I_r , and V_f . Devices with guaranteed limits on all six parameters are indicated by suffix A for $\pm 10\%$ tolerance and suffix B for $\pm 5\%$ tolerance. Also available with suffix C or D which indicates 2% and 1% tolerance respectively.

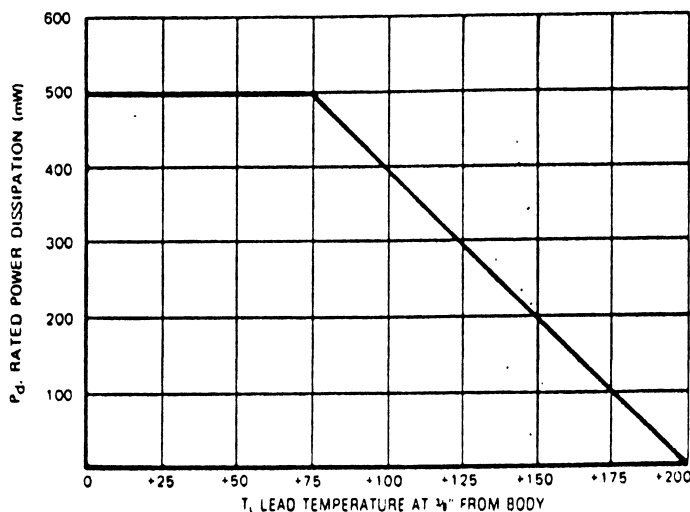


FIGURE 2
POWER DERATING CURVE

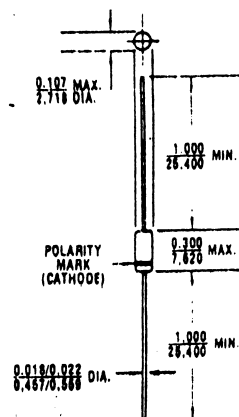


FIGURE 1
All dimensions in $\frac{\text{INCH}}{\text{m.m.}}$

MECHANICAL CHARACTERISTICS

CASE: Hermetically sealed glass case. DO-7.

FINISH: All external surfaces are corrosion resistant and leads solderable.

THERMAL RESISTANCE: $300^{\circ}\text{C}/\text{W}$ (Typical) junction to lead at 0.375-inches from body.

POLARITY: Diode to be operated with the banded end positive with respect to the opposite end.



Quality Semi-Conductors