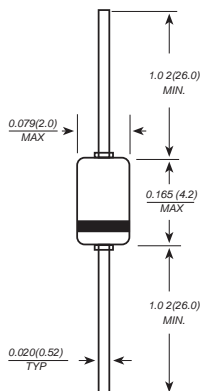


1N52-SERIES

ZENER DIODES

Zener Voltage: 2.4-56V Peak Pulse Power: 500mW

DO-35(GLASS)



Dimensions in inches and (millimeters)

FEATURE

- ◆ Low zener impedance
- ◆ Low regulation factor
- ◆ Glass passivated junction
- ◆ High temperature soldering guaranteed:
260°C/10S/9.5mm lead length at 5 lbs tension

MECHANICAL DATA

Case: JEDEC DO-35(GLASS) molded glass body

Terminals: Plated axial leads, solderable per MIL-STD 750, method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.05 ounce, 0.14 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

	SYMBOLS	VALUE	UNITS
Zener Current see Table Characteristics			
Power Dissipation at $T_{amb}=25^{\circ}\text{C}$ (Note 1)	P_{tot}	500	mW
Junction Temperature	T_j	200	°C
Storage Temperature Range	T_{STG}	-65 to + 200	°C
Thermal resistance junction ambient(Note 1)	R_{qJA}	0.3	K/mW
Forward voltage at $I_F=200\text{mA}$	V_F	1.1	V

Note 1: Valid provided that leads at a distance of 10mm from case are kept at ambient temperature