

# New Jersey Semi-Conductor Products, Inc.

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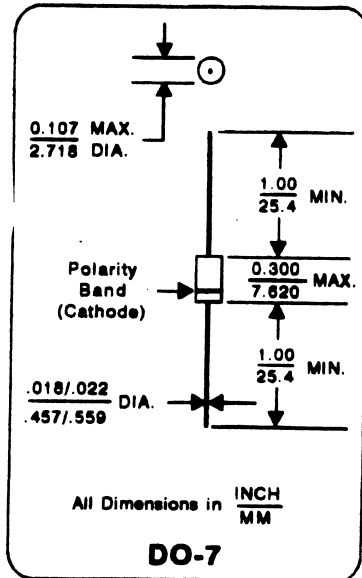
## PARAMETERS

REF/REG DIODE, 250mW < P(D) ≤ 400mW 1N5532B

Description: Ref/Reg Diode, 250mW < P(D) ≤ 400mW

Manufacturer.....	many
Mil/High-Rel? (Y/N).....	
Nom. Ref. Volt.....	12
Test Current.....	1.0m
Tol. (%).....	5.0
PD Max. (W).....	400m%
Dyn. Zmax (j).....	90
Temp Coef pp/10k.....	
Oper. Temp (xC) Max.....	175u
Pkg Style.....	DO-7
Surface Mounted (Y/N).....	N

u Junction Temperature % @ above 125xC 2 It(rms)



## DESIGN DATA

**CASE:** Hermetically sealed glass case. DO-7 Outline.

**LEAD MATERIAL:** Copper clad steel

**LEAD FINISH:** Tin Plate

**THERMAL RESISTANCE:**

250 °C/w (Typical) junction to ambient

**POLARITY:** Diode to be operated with the banded (cathode) end positive with respect to the opposite end

**WEIGHT:** 0.2 Grams

**MOUNTING POSITION:** Any

## MAXIMUM RATINGS

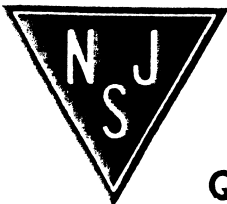
**OPERATING TEMPERATURE:**

-65 TO +175 °C

**STORAGE TEMPERATURE**

-65 TO +200 °C

**LEAD TEMPERATURE:** 1/16 inch from case for 10 seconds - 260 °C



Quality Semi-Conductors