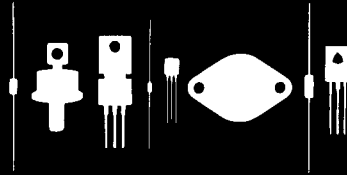


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1N3897

FORWARD REFERENCE DIODE
(STABISTOR)

JEDEC DO-35 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N3897 is a Silicon Forward Reference Diode manufactured by the Planar Process.

MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$)

| | <u>SYMBOL</u> | | <u>UNITS</u> |
|---------------------------------|----------------|-------------|---------------------|
| Power Dissipation | P_D | 400 | mW |
| Operating and Storage | | | |
| Junction Temperature | T_J, T_{stg} | -65 to +200 | $^\circ\text{C}$ |
| Typical Temperature Coefficient | T_C | 0.022 | $\%/^\circ\text{C}$ |

ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise noted)

| <u>SYMBOL</u> | <u>TEST CONDITIONS</u> | <u>MIN</u> | <u>MAX</u> | <u>UNITS</u> |
|---------------|------------------------|------------|------------|---------------|
| I_R | $V_R = 10\text{V}$ | | 10 | μA |
| V_F | $I_F = 30\text{mA}$ | 1.425 | 1.575 | V |
| Z_T | $I_T = 30\text{mA}$ | | 5.0 | Ω |

MECHANICAL OUTLINE

All Dimensions in Inches (mm).

