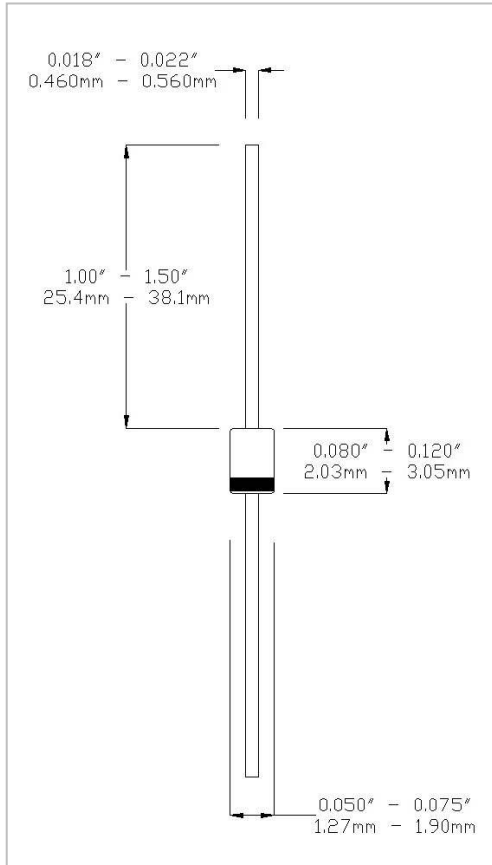


1N4534

FEATURES

- 1N4534 AVAILABLE IN JAN, JANTX, AND JANTXV PER MIL-PRF-19500/337
- SWITCHING DIODE
- METALLURGICALLY BONDED
- HERMETICALLY SEALED
- DOUBLE PLUG CONSTRUCTION



MAXIMUM RATINGS AT 25 °C

| | |
|------------------------------|-------------------------------|
| Operating Temperature: | -65°C to +175°C |
| Storage Temperature: | -65°C to +175°C |
| Surge Current A, sine 1S: | 250mA |
| Surge Current A, sine 1uS: | 2A |
| Total Power Dissipation: | 500mW |
| Operating Current: | 150mA, T _A = +25°C |
| Derating Factor: | 1mA/°C above +25°C |
| D.C. Reverse Voltage (VRWM): | 50V |

DC ELECTRICAL CHARACTERISTICS

| V _F | | | | I _R | | | | V _{BR} | | | |
|----------------|-------------------|-------|-------|----------------|-----------------------|--------|--------|-----------------|-------------------|-------|-------|
| Ambient (°C) | I _F mA | Min V | Max V | Ambient (°C) | V _R V (dc) | Min μA | Max μA | Ambient (°C) | I _R μA | Min V | Max V |
| 25 | 0.10 | 0.49 | 0.55 | 25 | 50 | - | 0.05 | 25 | 5 | 75 | - |
| 25 | 0.25 | 0.53 | 0.59 | 150 | 50 | - | 50 | -55 | 5 | 75 | - |
| 25 | 1 | 0.59 | 0.67 | | | | | | | | |
| 25 | 2 | 0.62 | 0.70 | | | | | | | | |
| 25 | 10 | 0.70 | 0.81 | | | | | | | | |
| 25 | 20 | 0.74 | 0.88 | | | | | | | | |

DESIGN DATA

Case: Hermetically sealed glass package per MIL-PRF-19500/337 DO-34 outline

Lead Material: Copper clad steel

Lead Finish: Tin/Lead

Thermal Resistance (R_{θJL}): 250°C/W maximum at L=.375"

Thermal Impedance (Z_{θJX}): 70°C/W maximum

Marking: Black alphanumeric digits.

Polarity: Cathode end is banded.

AC ELECTRICAL CHARACTERISTICS AT 25°C

| | Symbol | Min | Max |
|---------------------------------------------------------------------------------|--------|-----|-----|
| Capacitance @ 0V | pF | - | 2 |
| T _{RR} @ I _F =I _R =10mA, I _{Rec} = 1mA. | nsec | - | 4 |



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