

# ANTREX Electronics

Electronic Components Sourcing Information

---

## Product Reference Information

**Part Number:** 1N4532UR  
**Manufacturer:** Microchip Technology  
**Package:** DO-204AG, DO-34, Axial  
**Availability:** Please confirm with sales

### Product Page:

<https://antrexco.com/product/details/microchip-technology/1n4532ur.html>

### Request a Quote:

[Submit RFQ for this part](#)



Scan for product page

## Contact Information

Email: [info@antrexco.com](mailto:info@antrexco.com)

WhatsApp: +86-186-8066-5326

Website: <https://antrexco.com>

## Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

### Note:

This PDF includes an ANTREX product reference cover page.

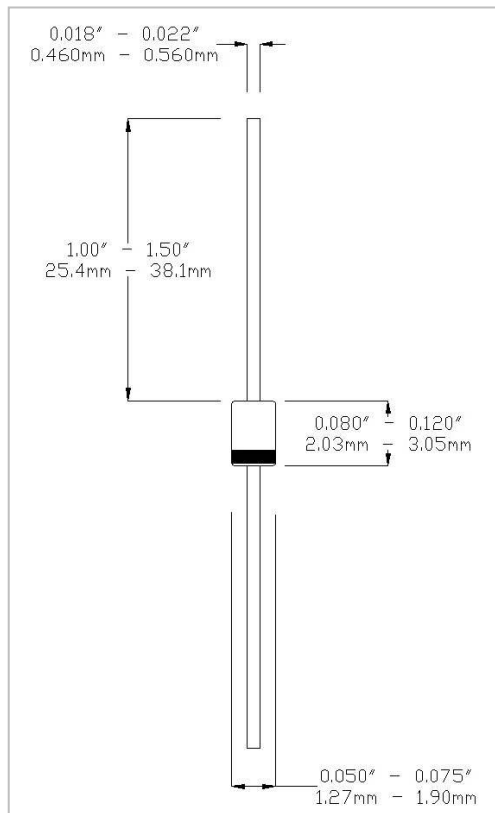
The original manufacturer datasheet follows from the next page.

---

# 1N4532

## FEATURES

- 1N4532 AVAILABLE IN JAN, JANTX, AND JANTXV PER MIL-PRF-19500/144
- SWITCHING DIODE
- METALLURGICALLY BONDED
- HERMETICALLY SEALED
- DOUBLE PLUG CONSTRUCTION



## MAXIMUM RATINGS AT 25 °C

|                              |                                         |
|------------------------------|-----------------------------------------|
| Operating Temperature:       | -55°C to +175°C                         |
| Storage Temperature:         | -55°C to +175°C                         |
| Surge Current, Sine, 1uS:    | 2.0A                                    |
| Total Power Dissipation:     | 500mW                                   |
| Operating Current:           | 125mA, T <sub>A</sub> = +25°C           |
| Derating Factor:             | 0.883mA/°C above T <sub>A</sub> = +25°C |
| D.C. Reverse Voltage (VRWM): | 50V                                     |

## DC ELECTRICAL CHARACTERISTICS

| V <sub>F</sub> |                   |       |       | I <sub>R</sub> |        |        |        | V <sub>BR</sub> |                   |       |       |
|----------------|-------------------|-------|-------|----------------|--------|--------|--------|-----------------|-------------------|-------|-------|
| Ambient (°C)   | I <sub>F</sub> mA | Min V | Max V | Ambient (°C)   | V (dc) | Min μA | Max μA | Ambient (°C)    | I <sub>R</sub> μA | Min V | Max V |
| 25             | 10                | -     | 1.0   | 25             | 50     | -      | 0.1    | 25              | 5                 | 75    | -     |
| 150            | 10                | -     | 0.7   | 150            | 50     | -      | 100    | -55             | 10                | 75    | -     |

## DESIGN DATA

**Case:** Hermetically sealed glass package per MIL-PRF-19500/144 DO-34 outline

**Lead Material:** Copper clad steel

**Lead Finish:** Tin/Lead

**Thermal Resistance (R<sub>θJL</sub>):** 250°C/W maximum at L=0.375"

**Thermal Impedance (Z<sub>θJX</sub>):** 70°C/W maximum

**Marking:** Alpha numeric.

**Polarity:** Cathode end is banded.

## AC ELECTRICAL CHARACTERISTICS AT 25°C

|                                                                                 | Symbol | Min | Max |
|---------------------------------------------------------------------------------|--------|-----|-----|
| Capacitance @ 0V                                                                | pF     | -   | 2.0 |
| T <sub>RR</sub> @ I <sub>F</sub> =I <sub>R</sub> =10mA, I <sub>Rec</sub> = 1mA. | nsec   | -   | 4.0 |
| T <sub>FR</sub> @ IF = 100mA                                                    | nsec   | -   | 30  |
| V <sub>FR</sub> @ IF = 100mA                                                    | V(pk)  | -   | 5   |



WWW.MICROSEMI.COM

IRELAND - GORT ROAD, ENNIS, CO. CLARE

PHONE: +353 65 6840044  
TOLL FREE: +186 62 702434  
FAX: +353 65 6822298

U.S.A. DOMESTIC SALES CONTACT

PHONE: (617) 926 0404  
TOLL FREE: 1 800 666 2999