

View Online at <https://aerobasegroup.com/nsn/5961-01-147-3902>

**Inclosure Material:**

Metal

**Overall Length:**

1.646 inches

**End Application:**

Computer

**Mounting Facility Quantity:**

1

**Internal Configuration:**

Junction contact

**Joint Electronic Device Engineering Council/jedec/case Outline Designation:**

To-48

**Mounting Method:**

Threaded stud

**Features Provided:**

Hermetically sealed case and quality assurance level tx

**Overall Width Across Flats:**

Between 0.544 inches and 0.563 inches

**Thread Size:**

0.250 inches

**Semiconductor Material:**

Silicon

**Voltage Rating In Volts Per Characteristic:**

600.0 repetitive peak reverse voltage and 720.0 nonrepetitive peak reverse voltage and 5.0 peak gate voltage

**Current Rating Per Characteristic:**

16.00 amperes forward current, average absolute and 150.00 amperes peak forward surge current absolute

**Maximum Operating Temperature Per Measurement Point:**

125.0 degrees celsius case

**Special Features:**

Junction pattern arrangement: pnpn

**Test Data Document:**

81349-mil-prf-19500 specification (includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical", "average", "", etc.).

**Thread Series Designator:**

Unf

**Terminal Type And Quantity:**

1 threaded stud and 2 insulated wire lead w/terminal lug

**Specification Data:**

81349-mil-prf-19500/108 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

A110a0

**Mil-std (military Standard):**

Mil-prf-19500 spec.