

View Online at <https://aerobasegroup.com/nsn/5961-01-381-8445>

**Inclosure Material:**

Metal

**Overall Length:**

Between 0.790 inches and 0.800 inches

**Overall Height:**

Between 0.249 inches and 0.260 inches

**Overall Width:**

Between 0.535 inches and 0.545 inches

**Mounting Facility Quantity:**

1

**Internal Configuration:**

Field effect

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

To-254

**Mounting Method:**

Terminal and unthreaded hole

**Semiconductor Material:**

Silicon

**Voltage Rating In Volts Per Characteristic:**

500.0 breakdown voltage, drain-to-source, with all other terminals short-circuited to source and 20.0 gate to source voltage

**Current Rating Per Characteristic:**

7.00 amperes drain current and 28.00 amperes off-state current, peak

**Power Rating Per Characteristic:**

100.0 watts total device dissipation

**Maximum Operating Temperature Per Measurement Point:**

150.0 degrees celsius junction

**Special Test Features:**

Environmental stress screening

**Test Data Document:**

08748-tr162 drawing (this is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard or other document that may be referenced in a basic governing drawing) and 08748-tr169 drawing (this is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard or other document that may be referenced in a basic governing drawing)

**Terminal Type And Quantity:**

3 uninsulated wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fiig:**

A110a0