# NSN 5962-01-372-7418

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## **Body Length:**

Between 0.765 inches and 0.785 inches

## Body Width:

Between 0.290 inches and 0.310 inches

## **Body Height:**

Between 0.180 inches and 0.200 inches

## **Maximum Power Dissipation Rating:**

16.4 milliwatts

#### **Operating Tempurature Range:**

-55.0/+125.0 degrees celsius

#### Storage Tempurature Range:

-65.0/+150.0 degrees celsius

#### **Features Provided:**

Burn in, mil-std-883, class b and electrostatic sensitive and hermetically sealed and radiation hardened and schottky and monolithic and

2-state output and low power and tested to mil-std-883

#### **Inclosure Material:**

Ceramic

#### Inclosure Configuration:

Dual-in-line

#### Output Logic Form:

Transistor-transistor logic

#### Input Circuit Pattern:

Quad 2 input

#### **Criticality Code Justification:**

Feat

#### **Design Function And Quantity:**

4 gate, nand

#### Case Outline Source And Designator:

D-1 mil-m-38510

#### **Current Rating Per Characteristic:**

15.00 milliamperes output and 110.00 milliamperes output

#### **Terminal Surface Treatment:**

Solder

#### **Product Name:**

Microcircuit, digital, nand gate, quad, 2 input

#### Voltage Rating And Type Per Characteristic:

4.5 volts total supply and 5.5 volts total supply

#### **Time Rating Per Chacteristic:**

3.00 nanoseconds propagation delay time, low to high level output and 14.00 nanoseconds propagation delay time, low to high level output

#### **Special Features:**

Hci; esd, hermatically sealed

# **Nuclear Hardness Critical Feature:**

Hardened

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### **Test Data Document:**

96906-mil-std-883 standard (includes industry or association standards, individual manufactureer standards, etc.).

#### Terminal Type And Quantity:

14 printed circuit

### **Specification Data:**

81349-mil-m-38510/370 government specification

## Shelf Life:

N/a

# Unit Of Measure:

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## Demilitarization:

Yes - demil/mli

#### Fiig:

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