

View Online at <https://aerobasegroup.com/nsn/5962-01-375-1554>

**Body Length:**

Between 0.342 inches and 0.358 inches

**Body Width:**

Between 0.342 inches and 0.358 inches

**Body Height:**

Between 0.064 inches and 0.100 inches

**Maximum Power Dissipation Rating:**

84.0 milliwatts

**Operating Temperature Range:**

-55.0/+125.0 degrees celsius

**Storage Temperature Range:**

-65.0/+150.0 degrees celsius

**End Application:**

Milstar

**Features Provided:**

Schottky and monolithic and hermetically sealed and electrostatic sensitive and radiation hardened

**Inclosure Material:**

Ceramic

**Inclosure Configuration:**

Leadless flat pack

**Output Logic Form:**

Transistor-transistor logic

**Input Circuit Pattern:**

Hex 1 input

**Criticality Code Justification:**

Feat

**Design Function And Quantity:**

6 gate, inverting

**Case Outline Source And Designator:**

C-2 mil-m-38510

**Terminal Surface Treatment:**

Solder

**Voltage Rating And Type Per Characteristic:**

-0.5 volts power source and 7.0 volts power source

**Time Rating Per Characteristic:**

7.00 nanoseconds propagation delay time, low to high level output and 6.50 nanoseconds propagation delay time, high to low level output

**Special Features:**

Electrostatic dischg sensitive; hardness critical; reference p/n m38510/33002b2a

**Test Data Document:**

81349-mil-m-38510 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.).

**Terminal Type And Quantity:**

20 leadless

**Specification Data:**

81349-mil-m-38510/330 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

Yes - demil/mli

**Fiig:**

A458a0