

View Online at <https://aerobasegroup.com/nsn/5962-01-257-5983>

**Body Length:**

0.540 inches

**Body Width:**

Between 0.245 inches and 0.300 inches

**Body Height:**

Between 0.045 inches and 0.092 inches

**Maximum Power Dissipation Rating:**

605.0 milliwatts

**Operating Temperature Range:**

-55.0/+125.0 degrees celsius

**Storage Temperature Range:**

-65.0/+150.0 degrees celsius

**End Application:**

2m/ate microminature automatic test equipment; tarawa class lha; nimitz class cvn; los angeles class ssn (688); submarine armament and fire control systems; aircraft, b-2 bomber (atb); submarine (ssn) fire control sys; emory s. Land class as; guardrail (systems 1-4); aircraft, (ac-130h, mc-130h, ec-130e, hc-130)

**Features Provided:**

3-state output and schottky and monolithic and hermetically sealed

**Inclosure Material:**

Ceramic

**Inclosure Configuration:**

Flat pack

**Output Logic Form:**

Transistor-transistor logic

**Input Circuit Pattern:**

18 input

**Criticality Code Justification:**

Feat

**Design Function And Quantity:**

8 transceiver

**Case Outline Source And Designator:**

F-9 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:**

8.50 nanoseconds propagation delay time, low to high level output and 8.00 nanoseconds propagation delay time, high to low level output

**Special Features:**

Weapon system essential

**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:**

**Specification Data:**

81349-mil-m-38510/348 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

A458a0