

View Online at <https://aerobasegroup.com/nsn/5962-01-286-3678>

**Body Length:**

0.840 inches

**Body Width:**

Between 0.220 inches and 0.310 inches

**Body Height:**

0.185 inches

**Maximum Power Dissipation Rating:**

137.0 milliwatts

**Operating Temperature Range:**

-55.0/+125.0 degrees celsius

**Storage Temperature Range:**

-65.0/+150.0 degrees celsius

**End Application:**

Support equipment, b-52 aircraft; comuncations systems an/wsc-3; support equipment, b-1 aircraft; radar set, lightweight 3d (an/tps-59); countermeasure set, an/slq-32; radar set, firefinder (an/tpq-36); radar, series an/sps-49 (v); radar threat emitter an/mst-t1; aircraft, (ac-130h, mc-130h, ec-130e, hc-130); missile, tomahawk

**Features Provided:**

Schottky and monolithic and edge triggered and w/clear and w/clock and w/preset

**Inclosure Material:**

Ceramic

**Inclosure Configuration:**

Dual-in-line

**Output Logic Form:**

Transistor-transistor logic

**Input Circuit Pattern:**

Dual 5 input

**Criticality Code Justification:**

Feat

**Design Function And Quantity:**

2 flip-flop, j-k

**Case Outline Source And Designator:**

D-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:**

11.00 nanoseconds propagation delay time, low to high level output and 11.00 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.)

**Specification Data:**

81349-mil-m-38510/71 government specification

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

Yes - demil/mli

**Fig:**

A458a0