

View Online at <https://aerobasegroup.com/nsn/5962-01-575-0653>

**Overall Length:**

Between 5.800 inches and 6.200 inches

**Overall Height:**

Between 1.350 inches and 1.750 inches

**Body Length:**

Between 3.800 inches and 4.000 inches

**Body Width:**

Between 4.800 inches and 5.000 inches

**Body Height:**

Between 1.100 inches and 1.650 inches

**Operating Temperature Range:**

-40.0/+85.0 degrees celsius

**Storage Temperature Range:**

-65.0/+125.0 degrees celsius

**End Application:**

Conversion of signal level to decibel form; transmitter antenna power measurement; receiver signal strength indication (rssi); low cost radar ad sonar signal processing; network and spectrum analyzers (to 120 db); signal level determination down to 20 hz; true decibel ac mode for multimeters

**Design Function And Quantity:**

1 amplifier, log

**Product Name:**

Low cost, dc to 500 mhz, 92 db logarithmic amplifier

**Special Features:**

Complete multistage logarithmic amplifier; 92 db dynamic range, -75 dbm to +17 dbm to -90 dbm using matching network; single supply of 2.7 v at 7.5 ma typical; dc to 500 mhz operation, +/-1 db linearity; slope of 25 mv/db, intercept of -84 dbm; highly stable scaling over temperature; fully differential dc-coupled signal path; 100 ns power-up time

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

Yes - demil/mli

**Fiig:**

A458a0