

View Online at <https://aerobasegroup.com/nsn/6625-00-080-7204>

**Overall Length:**

20.750 inches

**Overall Height:**

12.500 inches

**Overall Width:**

15.250 inches

**Average Life Measurement:**

Not rated

**Basic Shape Style:**

Rectangular or square

**Identification Designator:**

540b-28480

**Inclosure Type:**

Encased

**Installation Design:**

Top of cabinet/counter

**Circuit Construction Type:**

Electron tube

**Frequency Per Channel:**

12.4 gigahertz operating channel

**Operating Ac Frequency In Hertz:**

50.0 single voltage

**External Ac Operating Voltage In Volts:**

230.0 single voltage

**Phase:**

Single

**Functional Classification:**

Aa-6.3

**Functional Description:**

Extends frequency measurement range of an/usm-26 & an/usm-207a into microwave range; along w/ an/usm-26 or -207a can measure frequencies up to 12.4 ghz, or w/ an external mixer 1-18 ghz; can be used w/out a frequency counter to measure frequencies below 4 ghz w/in about porm 0.5 pct; frequency is determined by zero-beating the unknown signal w/ a harmonic of an extremely stable signal generated w/in & to measure cm-77a fundamental frequency on a counter; multiplying counter readout by harmonic causing the zero-beat gives input frequency; harmonic no. Is determined from previous knowledge of input frequency or by computation; zer/-beat is displayed on internal oscilloscope

**Entry Date:**

70-12-01

**Reference Data And Literature:**

Dept of army publications: tb9-6625-336-50, 19 nov 64; tm11-6625-493-15 w/ changes 1 & 2, 29 sep 64; tm 11-6625-493-20p; tm11-6625-493-45p, 19 oct 64

**Relationship To Similar Equipment:**

Interchangeable w/ 6625009739267 & 6625007355167; similar to cm-77/usm

**Type/model Designation:**

Cm-77a/usm

**Shelf Life:**

**Demilitarization:**

Yes - demil/mli

**Fig:**

A32200