

View Online at <https://aerobasegroup.com/nsn/6625-01-516-5524>

**Width:**

19.000 inches

**Length:**

20.000 inches

**Ac Voltage Rating:**

250.0 volts

**Frequency Rating:**

Between 47.0 hertz and 63.0 hertz

**Inclosure Feature:**

Single item w/housing

**Test Type For Which Designed:**

Frequency translation for satellite communications

**Special Features:**

Band 1 rf input 5.85-6.425 ghz, lo frequency 2.225 ghz; rf output 3.625-4.2 ghz; band 2 rf input 6.425-6.725 ghz, lo frequency 3.025 ghz, rf output 3.4-3.7 ghz; voltage 100, 120, 220, 230/240 vac porm 10 pct, -13 pct, rear panel selectable, 250 vac max; frequency 47-63 hz; power consumption 120 w typical; connectors rf n female, front panel, rear panel with option 10; external reference input, option 6, bnc female, rear panel; summary alarm de-9p, rear panel; remote interface, rear panel, de-9s for rs485 and rs422, db-25p for rs232, db25s for contact closure, ieee-488 receptacle for gpib, external local oscillator input, option 4 sma female, rear panel; test points, front panel dc voltage display, lo phase voltage display, lo frequency/power monitor sma female

**Functional Description:**

Conversion loss 15 db, 18 db with options 1 or 2; amplitude response porm 0.25 db over any 40 mhz, porm 1 db over output frequency band; input/output return loss 20 db min; level control 30 db, 0.2 db step size; intermodulation distortion with two inband signals at m13 dbm input, thrid order intermodulation products are less than 50 dbc; input/output isolation 60 db min

**Height:**

3.500 inches

**Supplementary Features:**

Environmental opeating ambient temperature 0-50 degrees c, relative humidity up to 95 pct at 30 degrees c, atmospheric pressure up to 10,000 feet; nonoperating ambient temp m50-70 degrees c, relative humidity up to 95 pct at 40 degrees c, atmospheric pressure up to 40,000 feet, shock and vibration normal handling by commercial carriers

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

T228-a