

View Online at <https://aerobasegroup.com/nsn/5985-01-007-9415>

**Ambient Temperature In Deg Celsius At Full Rated Power:**

-45.0 and 71.0

**Cooling System Coolant Flow Rate:**

3.0 gallons per minute

**Overall Length:**

Between 3.812 inches and 3.937 inches

**Body Width:**

Between 1.687 inches and 1.812 inches

**Body Height:**

Between 2.562 inches and 2.687 inches

**Frequency Range Rating:**

+7.900/+8.400 gigahertz

**Voltage Standing Wave Ratio:**

1.15

**Power Rating:**

10.000 kilowatts peak

**Voltage Standing Wave Ratio Frequency Range:**

+7.900/+8.400 gigahertz

**Termination Type:**

Waveguide flange

**Waveguide Flange Designation:**

Ug-51/u

**Intake Connection Thread Location:**

External

**Discharge Connection Thread Location:**

External

**Operating Position:**

All positions

**Discharge Connection Thread Size And Series/type Designator:**

1/2-14 npt

**Intake Connection Thread Size And Series/type Designator:**

1/2-14 npt

**Coolant Chamber Pressure:**

90.0 pounds per square inch gage

**Rf Connector Changing Feature:**

Not included

**Cooling Method:**

Forced liquid

**Special Features:**

Waveguide and flange are copper alloy; jacket to be material compatible with copper; flange external surface treatment lusterless black enamel

**Precious Material And Location:**

Internal surfaces and flange faces gold

**Precious Material:**

Gold

**Fsc Application Data:**

Antennas, waveguides, and related equipment

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fiig:**

A19800