

View Online at <https://aerobasegroup.com/nsn/5985-00-837-2355>

**Cross Sectional Shape:**

Internal, rectangular external, rectangular

**End Application:**

Missile guidance and tracking set an/spg-55b

**Tubing Wall Construction Style:**

Seamless single tubing segment

**Flange Quantity:**

2

**Flange Inside Width:**

1.253 inches all flanges and 1.256 inches all flanges

**Flange Inside Height:**

0.628 inches all flanges and 0.631 inches all flanges

**Flange Outside Width:**

1.860 inches all flanges and 1.890 inches all flanges

**Flange Outside Height:**

1.860 inches all flanges and 1.890 inches all flanges

**Flange Depth:**

0.423 inches all flanges and 0.453 inches all flanges

**Flange Connecting Hole Diameter:**

0.169 inches all flanges all connection facilities and 0.172 inches all flanges all connection facilities

**Voltage Standing Wave Ratio:**

1.08

**Insertion Loss In Decibels:**

0.20

**Maximum Operating Pressure:**

10.0 pounds per square inch gage

**Waveguide Outside Width:**

Between 1.246 inches and 1.254 inches

**Waveguide Inside Width:**

Between 1.118 inches and 1.126 inches

**Waveguide Inside Height:**

Between 0.493 inches and 0.501 inches

**Waveguide Outside Height:**

Between 0.621 inches and 0.629 inches

**Flange Connecting Facility And Quantity:**

4 unthreaded hole all flanges all connection facilities

**Flange Style:**

Cover type all flanges

**Waveguide Length:**

Between 8.969 inches and 9.031 inches

**Special Features:**

Frequency range 10.250 to 10, 500 mhz; operating temperature minus 20.0 to plus 150.0 degrees f; coolant passages must be capable of being pressurized to 30 psig without leakage using coolanol 45

**Flexibility:**

Flexible single tubing segment

**Material:**

Copper alloy all flange

**Precious Material And Location:**

Internal surfaces gold and internal surfaces silver

**Precious Material:**

Gold and silver

**Surface Treatment:**

Gold all tubing segment and flange inside surfaces and silver all tubing segment and flange inside surfaces

**Style Designator:**

Straight type

**Fsc Application Data:**

Antennas, waveguides, and related equipment

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

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