

View Online at <https://aerobasegroup.com/nsn/5985-00-234-6727>

**Cross Sectional Shape:**

Internal, rectangular external, rectangular

**Thread Class:**

2b all flanges all connection facilities

**Thread Direction:**

Right-hand all flanges all connection facilities

**Bend Angle In Deg:**

90.0 single bend e-plane

**End Application:**

Landing control central an/spn-42

**Tubing Wall Construction Style:**

Seamless single tubing segment

**Flange Quantity:**

2

**Flange Inside Width:**

0.2786 inches all flanges and 0.2814 inches all flanges

**Flange Inside Height:**

0.1386 inches all flanges and 0.1414 inches all flanges

**Flange Outside Width:**

0.735 inches all flanges and 0.765 inches all flanges

**Flange Outside Height:**

0.735 inches all flanges and 0.765 inches all flanges

**Flange Inside Diameter:**

0.485 inches all flanges and 0.515 inches all flanges

**Flange Depth:**

0.195 inches all flanges and 0.225 inches all flanges

**Voltage Standing Wave Ratio:**

1.07

**Insertion Loss In Decibels:**

0.20

**Thready Qty Per Inch (tpi):**

40 all flanges all connection facilities

**Waveguide Outside Width:**

Between 0.358 inches and 0.362 inches

**Thread Size:**

0.112 inches all flanges all connection facilities

**Waveguide Inside Width:**

Between 0.2785 inches and 0.2815 inches

**Waveguide Inside Height:**

Between 0.1385 inches and 0.1415 inches

**Waveguide Outside Height:**

Between 0.218 inches and 0.222 inches

**Waveguide Longer Offset Distance:**

Between 1.515 inches and 1.525 inches

**Flange Connecting Facility And Quantity:**

4 threaded hole all flanges all connection facilities

**Flange Style:**

Choke type all flanges

**Waveguide Offset Distance:**

Between 1.245 inches and 1.255 inches

**Special Features:**

No. 4-40 thd mtg holes drilled out to 0.114 in. Diameter holes on one flange only

**Flexibility:**

Rigid single tubing segment

**Material:**

Copper alloy all tubing segment and flange

**Precious Material And Location:**

Internal surfaces silver and external surfaces silver

**Precious Material:**

Silver

**Surface Treatment:**

Silver all tubing segment and flange outside surfaces and paint all tubing segment and flange outside surfaces

**Style Designator:**

Bend type

**Thread Series Designator:**

Unc all flanges all connection facilities

**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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