

View Online at <https://aerobasegroup.com/nsn/5985-01-397-1538>

**Cross Sectional Shape:**

Internal, rectangular external, rectangular

**Thread Class:**

2b all flanges all connection facilities

**Thread Direction:**

Right-hand all flanges all connection facilities

**End Application:**

Radar set an/apg-65

**Tubing Wall Construction Style:**

Seamless all tubing segment

**Flange Quantity:**

2

**Flange Inside Width:**

0.896 inches all flanges and 0.904 inches all flanges

**Flange Inside Height:**

0.396 inches all flanges and 0.404 inches all flanges

**Flange Outside Width:**

1.610 inches all flanges and 1.640 inches all flanges

**Flange Outside Height:**

1.610 inches all flanges and 1.640 inches all flanges

**Flange Depth:**

0.423 inches all flanges and 0.453 inches all flanges

**Voltage Standing Wave Ratio:**

1.20

**Maximum Operating Pressure:**

45.0 pounds per square inch gage

**Waveguide Outside Width:**

Between 0.996 inches and 1.004 inches

**Thread Size:**

0.164 inches all flanges all connection facilities

**Waveguide Inside Width:**

Between 0.896 inches and 0.904 inches

**Waveguide Inside Height:**

Between 0.396 inches and 0.404 inches

**Waveguide Outside Height:**

Between 0.496 inches and 0.504 inches

**Flange Connecting Facility And Quantity:**

4 threaded hole all flanges all connection facilities

**Waveguide First Leg Length:**

4.600 inches

**Waveguide Fifth Leg Length:**

3.250 inches

**Flange Style:**

Choke type all flanges

**Waveguide Second Leg Length:**

1.120 inches

**Waveguide Sixth Leg Length:**

1.290 inches

**Waveguide Third Leg Length:**

2.940 inches

**Waveguide Fourth Leg Length:**

2.190 inches

**Flexibility:**

Rigid fifth tubing segment

**Material:**

Copper alloy first tubing segment

**Precious Material And Location:**

Flexible waveguide section silver

**Precious Material:**

Silver

**Surface Treatment:**

Nickel first tubing segment outside surfaces

**Style Designator:**

Five bend type

**Thread Series Designator:**

Unc all flanges all connection facilities

**Specification Data:**

82577-8655422 manufacturers source control

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

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