

View Online at <https://aerobasegroup.com/nsn/5985-01-318-5949>

**Cross Sectional Shape:**

Internal, rectangular external, rectangular

**Bend Angle In Deg:**

90.0 third bend e-plane

**End Application:**

Radio terminal set an/trc-170

**Tubing Wall Construction Style:**

Seamless all tubing segment

**Flange Quantity:**

2

**Flange Inside Width:**

1.867 inches all flanges and 1.877 inches all flanges

**Flange Inside Height:**

0.867 inches all flanges and 0.877 inches all flanges

**Flange Outside Diameter:**

3.610 inches all flanges and 3.640 inches all flanges

**Flange Depth:**

0.922 inches all flanges and 0.953 inches all flanges

**Flange Connecting Hole Diameter:**

0.206 inches all flanges all connection facilities and 0.209 inches all flanges all connection facilities

**Voltage Standing Wave Ratio:**

1.10

**Maximum Operating Pressure:**

15.0 pounds per square inch gage

**Waveguide Outside Width:**

Between 1.995 inches and 2.005 inches

**Waveguide Inside Width:**

Between 1.867 inches and 1.877 inches

**Waveguide Inside Height:**

Between 0.867 inches and 0.877 inches

**Waveguide Outside Height:**

Between 0.995 inches and 1.005 inches

**Flange Connecting Facility And Quantity:**

8 unthreaded hole all flanges all connection facilities

**Waveguide First Leg Length:**

4.500 inches

**Flange Style:**

Choke type all flanges

**Waveguide Second Leg Length:**

4.060 inches

**Waveguide Third Leg Length:**

6.125 inches

**Special Features:**

W/one elbow

**Flexibility:**

Rigid all tubing segment

**Material:**

Aluminum all flange

**Surface Treatment:**

Anodize all tubing segment all surfaces

**Style Designator:**

Three bend type

**Supplementary Features:**

4.4 to 5.0 ghz elec rqmt range; up to 3 kw power level

**Fsc Application Data:**

Antennas, waveguides, and related equip.

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

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