

View Online at <https://aerobasegroup.com/nsn/5985-00-296-1395>

**Cross Sectional Shape:**

Internal, rectangular external, rectangular

**End Application:**

Radar set an/aps-42a

**Tubing Wall Construction Style:**

Seamless single tubing segment

**Flange Quantity:**

2

**Flange Inside Width:**

1.090 inches all flanges and 1.096 inches all flanges

**Flange Inside Height:**

0.520 inches all flanges and 0.526 inches all flanges

**Flange Outside Width:**

1.610 inches all flanges and 1.630 inches all flanges

**Flange Outside Height:**

1.610 inches all flanges and 1.630 inches all flanges

**Flange Depth:**

0.430 inches all flanges and 0.440 inches all flanges

**Flange Connecting Hole Diameter:**

0.168 inches all flanges all connection facilities and 0.173 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 1.090 inches and 1.096 inches

**Waveguide Inside Width:**

Between 0.947 inches and 0.953 inches

**Waveguide Inside Height:**

Between 0.397 inches and 0.403 inches

**Waveguide Outside Height:**

Between 0.520 inches and 0.526 inches

**Flange Connecting Facility And Quantity:**

4 unthreaded hole all flanges all connection facilities

**Flange Style:**

Cover type all flanges

**Special Features:**

Flange faces to be silver plated and unpainted; operating temperature minus 55.0 to plus 55.0 degrees c

**Flexibility:**

Flexible single tubing segment

**Material:**

Copper alloy all tubing segment and flange

**Precious Material And Location:**

All surfaces flexible section and flange faces silver

**Precious Material:**

Silver

**Surface Treatment:**

Silver single tubing segment all surfaces

**Fsc Application Data:**

Antennas, waveguides, and related equipment

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

Yes - demil/mli

**Fig:**

A073a0