

View Online at <https://aerobasegroup.com/nsn/5985-01-166-7179>

**Cross Sectional Shape:**

Internal, rectangular external, rectangular

**Thread Class:**

2b first flange all connection facilities

**Thread Direction:**

Right-hand first flange all connection facilities

**Tubing Wall Construction Style:**

Seamless single tubing segment

**Flange Quantity:**

2

**Flange Inside Width:**

0.620 inches second flange and 0.624 inches second flange

**Flange Inside Height:**

0.309 inches second flange and 0.313 inches second flange

**Flange Outside Width:**

1.298 inches second flange and 1.328 inches second flange

**Flange Outside Height:**

1.298 inches second flange and 1.328 inches second flange

**Flange Inside Diameter:**

0.985 inches first flange and 1.015 inches first flange

**Flange Depth:**

0.360 inches first flange and 0.390 inches first flange

**Flange Connecting Hole Diameter:**

0.144 inches second flange all connection facilities and 0.147 inches second flange all connection facilities

**Voltage Standing Wave Ratio:**

1.10

**Insertion Loss In Decibels:**

0.20

**Maximum Operating Pressure:**

10.0 pounds per square inch gage

**Waveguide Outside Width:**

Between 0.699 inches and 0.705 inches

**Thread Size:**

0.138 inches first flange all connection facilities

**Waveguide Inside Width:**

Between 0.620 inches and 0.625 inches

**Waveguide Inside Height:**

Between 0.309 inches and 0.314 inches

**Waveguide Outside Height:**

Between 0.388 inches and 0.394 inches

**Flange Connecting Facility And Quantity:**

4 unthreaded hole second flange all connection facilities

**Flange Style:**

Cover type second flange

**Waveguide Length:**

Between 16.130 inches and 16.370 inches

**Flexibility:**

Flexible single tubing segment

**Material:**

Copper alloy single tubing segment

**Precious Material And Location:**

surfaces silver

**Precious Material:**

Silver

**Surface Treatment:**

Silver single tubing segment and flange all surfaces

**Style Designator:**

Straight type

**Thread Series Designator:**

Unc first flange 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

**Fiig:**

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