

View Online at <https://aerobasegroup.com/nsn/5985-01-519-4851>

**Cross Sectional Shape:**

Internal, rectangular double ridged external, rectangular

**End Application:**

B-1b aircraft

**Tubing Wall Construction Style:**

Seamless all tubing segment

**Flange Quantity:**

2

**Flange Inside Width:**

1.090 inches all flanges

**Flange Inside Height:**

0.506 inches all flanges

**Flange Outside Width:**

1.968 inches all flanges

**Flange Outside Height:**

1.390 inches all flanges

**Flange Depth:**

0.250 inches all flanges

**Flange Connecting Hole Diameter:**

0.144 inches all flanges all connection facilities

**Voltage Standing Wave Ratio:**

1.35

**Insertion Loss In Decibels:**

0.40

**Waveguide Outside Width:**

1.214 inches

**Waveguide Inside Width:**

1.090 inches

**Waveguide Inside Height:**

0.630 inches

**Waveguide Outside Height:**

0.814 inches

**Flange Connecting Facility And Quantity:**

8 unthreaded hole all flanges all connection facilities

**Waveguide First Leg Length:**

Between 6.190 inches and 6.310 inches

**Flange Style:**

Contact, single ridge type all flanges

**Waveguide Second Leg Length:**

Between 2.690 inches and 2.810 inches

**Waveguide Third Leg Length:**

Between 2.940 inches and 3.060 inches

**Waveguide Fourth Leg Length:**

Between 2.940 inches and 3.060 inches

**Special Features:**

Waveguide, flexible, non-twistable, double ridge. Frequency 4.75 - 11.0 ghz.

**Flexibility:**

Flexible all tubing segment

**Material:**

Aluminum alloy 6061 all tubing segment and flange

**Style Designator:**

Three bend type

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

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