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**Cross Sectional Shape:**

Internal, rectangular external, rectangular

**End Application:**

Radar set an/spg-51d

**Tubing Wall Construction Style:**

Corrugated single tubing segment

**Flange Quantity:**

2

**Flange Inside Width:**

1.118 inches all flanges and 1.126 inches all flanges

**Flange Inside Height:**

0.493 inches all flanges and 0.501 inches all flanges

**Flange Outside Width:**

2.480 inches all flanges and 2.520 inches all flanges

**Flange Outside Height:**

1.730 inches all flanges and 1.770 inches all flanges

**Flange Depth:**

0.480 inches all flanges and 0.520 inches all flanges

**Flange Connecting Hole Diameter:**

0.168 inches all flanges all connection facilities and 0.171 inches all flanges all connection facilities

**Voltage Standing Wave Ratio:**

1.08

**Maximum Operating Pressure:**

10.0 pounds per square inch gage

**Waveguide Outside Width:**

Between 1.246 inches and 1.254 inches

**Waveguide Inside Width:**

Between 1.118 inches and 1.126 inches

**Waveguide Inside Height:**

Between 0.493 inches and 0.501 inches

**Waveguide Outside Height:**

Between 0.621 inches and 0.629 inches

**Flange Connecting Facility And Quantity:**

8 unthreaded hole all flanges all connection facilities

**Flange Style:**

Contact type all flanges

**Waveguide Length:**

9.812 inches

**Special Features:**

F1ns provided for cooling; dimensions 2.250 in. Lg by 2.187 in. W by 0.040 in. Thk; temperature range minus 28 to plus 65 degrees c

**Flexibility:**

Flexible single tubing segment

**Material:**

Copper alloy single tubing segment and flange

**Surface Treatment:**

Oxide single tubing segment and flange outside surfaces

**Style Designator:**

Straight type

**Fsc Application Data:**

Antennas, waveguides, and related equipment

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

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