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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:

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Demilitarization:

Yes - demil/mli

Fig:

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