NSN 5985-00-134-1555

Waveguide Assembly - Page 1 of 2



View Online at https://aerobasegroup.com/nsn/5985-00-134-1555

Cross Sectional Shape:

Internal, rectangular external, rectangular

Thread Class:

2b all flanges all connection facilities

Thread Direction:

Right-hand all flanges all connection facilities

Tubing Wall Construction Style:

Seamless single tubing segment

Flange Quantity:

2

Flange Inside Width:

0.896 inches all flanges and 0.904 inches all flanges

Flange Inside Height:

0.396 inches all flanges and 0.404 inches all flanges

Flange Outside Width:

1.610 inches all flanges and 1.640 inches all flanges

Flange Outside Height:

1.610 inches all flanges and 1.640 inches all flanges

Flange Inside Diameter:

1.406 inches all flanges and 1.437 inches all flanges

Flange Depth:

0.423 inches all flanges and 0.453 inches all flanges

Voltage Standing Wave Ratio:

1.15

Insertion Loss In Decibels:

0.20

Thready Qty Per Inch (tpi):

32 all flanges all connection facilities

Maximum Operating Pressure:

30.0 pounds per square inch gage

Waveguide Outside Width:

Between 0.996 inches and 1.004 inches

Thread Size:

0.164 inches all flanges all connection facilities

Waveguide Inside Width:

Between 0.896 inches and 0.904 inches

Waveguide Inside Height:

Between 0.396 inches and 0.404 inches

Waveguide Outside Height:

Between 0.496 inches and 0.504 inches

Flange Connecting Facility And Quantity:

4 threaded hole all flanges all connection facilities

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Waveguide First Leg Length:
18.500 inches
Waveguide Fifth Leg Length:
2.750 inches
Flange Style:
Choke type all flanges
Waveguide Second Leg Length:
3.500 inches
Waveguide Third Leg Length:
10.930 inches
Waveguide Fourth Leg Length:
3.500 inches
Special Features:
Frequency range 8.2 to 12.4 ghz
Flexibility:
Flexible single tubing segment
Material:
Copper alloy single tubing segment
Precious Material And Location:
Internal surfaces silver
Precious Material:
Silver
Surface Treatment:
Silver all tubing segment and flange inside surfaces
Style Designator:
Four bend type
Thread Series Designator:
Unc all flanges all connection facilities
Fsc Application Data:
Antennas, waveguides, and related equipment
Shelf Life:
N/a
Unit Of Measure:
Demilitarization:
Yes - demil/mli
Fiig:
A073a0