## NSN 5985-00-239-1185

Waveguide Assembly - Page 1 of 2



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## **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 all tubing segment

Flange Quantity:

2

Flange Inside Width:

1.017 inches second flange and 1.023 inches second flange

Flange Inside Height:

0.507 inches second flange and 0.513 inches second flange

Flange Outside Width:

1.672 inches second flange and 1.702 inches second flange

Flange Outside Height:

1.672 inches second flange and 1.702 inches second flange

Flange Inside Diameter:

1.280 inches first flange

Flange Depth:

0.485 inches second flange and 0.513 inches second flange

Flange Connecting Hole Diameter:

0.169 inches second flange all connection facilities and 0.172 inches second flange all connection facilities

**Voltage Standing Wave Ratio:** 

1.12

**Insertion Loss In Decibels:** 

0.10

Thready Qty Per Inch (tpi):

32 first flange all connection facilities

Waveguide Outside Width:

Between 1.143 inches and 1.153 inches

Thread Size:

0.164 inches first flange all connection facilities

Waveguide Inside Width:

Between 1.017 inches and 1.023 inches

**Waveguide Inside Height:** 

Between 0.507 inches and 0.513 inches

**Waveguide Outside Height:** 

Between 0.633 inches and 0.643 inches

Flange Connecting Facility And Quantity:

4 unthreaded hole second flange all connection facilities

## **NSN 5985-00-239-1185** Waveguide Assembly - Page 2 of 2



Waveguide First Leg Length:
Between 3.115 inches and 3.135 inches
Flange Style:
Cover type second flange
Waveguide Second Leg Length:
4.000 inches
Waveguide Third Leg Length:
Between 2.115 inches and 2.135 inches
Waveguide Fourth Leg Length:
1.750 inches
Flexibility:
Rigid all tubing segment
Material:
Aluminum alloy 6061 all tubing segment and flange
Surface Treatment:
Chromate all tubing segment and flange outside surfaces and enamel all tubing segment and flange outside surfaces
Style Designator:
Three bend 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:
Demilitarization:
No
Fiig:
A073a0