## NSN 5985-01-218-3871

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

Bend Angle In Deg:

90.0 all bends h-plane

**Tubing Wall Construction Style:** 

Seamless all tubing segment

Flange Quantity:

2

Flange Inside Width:

0.705 inches and 0.707 inches second flange

Flange Inside Height:

0.394 inches and 0.396 inches second flange

Flange Outside Width:

1.298 inches and 1.328 inches second flange

Flange Outside Height:

1.297 inches and 1.327 inches first flange

Flange Inside Diameter:

0.985 inches and 1.015 inches first flange

Flange Depth:

0.360 inches and 0.390 inches first flange

Flange Connecting Hole Diameter:

0.144 inches and 0.147 inches second flange all connection facilities

**Voltage Standing Wave Ratio:** 

1.12

**Insertion Loss In Decibels:** 

0.20

**Maximum Operating Pressure:** 

10.0 pounds per square inch gage

**Waveguide Outside Width:** 

Between 0.699 inches and 0.705 inches

**Thread Size:** 

0.138 inches first flange all connection facilities

Waveguide Inside Width:

Between 0.6195 inches and 0.6245 inches

**Waveguide Inside Height:** 

Between 0.3085 inches and 0.3135 inches

**Waveguide Outside Height:** 

Between 0.388 inches and 0.394 inches

## NSN 5985-01-218-3871

Waveguide Assembly - Page 2 of 2



Flange Connecting Facility And Quantity:
4 unthreaded hole second flange all connection facilities
Flange Style:
Cover type second flange
Waveguide Center To Center Distance:
6.850 inches
Waveguide Height:
7.000 inches
Special Features:
Arc detector included
Flexibility:
Rigid all tubing segment
Material:
Copper alloy all tubing segment and flange
Surface Treatment:
Chromate and paint all tubing segment and flange outside surfaces
Style Designator:
Double 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:** Yes - demil/mli

**Fiig:** A073a0