# NSN 5985-01-318-5949

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#### **Cross Sectional Shape:**

Internal, rectangular external, rectangular

#### Bend Angle In Deg:

90.0 third bend e-plane

#### **End Application:**

Radio terminal set an/trc-170

#### **Tubing Wall Construction Style:**

Seamless all tubing segment

#### Flange Quantity:

2

#### Flange Inside Width:

1.867 inches all flanges and 1.877 inches all flanges

#### Flange Inside Height:

0.867 inches all flanges and 0.877 inches all flanges

#### Flange Outside Diameter:

3.610 inches all flanges and 3.640 inches all flanges

#### Flange Depth:

0.922 inches all flanges and 0.953 inches all flanges

# Flange Connecting Hole Diameter:

0.206 inches all flanges all connection facilities and 0.209 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 1.995 inches and 2.005 inches

#### Waveguide Inside Width:

Between 1.867 inches and 1.877 inches

#### **Waveguide Inside Height:**

Between 0.867 inches and 0.877 inches

# Waveguide Outside Height:

Between 0.995 inches and 1.005 inches

#### Flange Connecting Facility And Quantity:

8 unthreaded hole all flanges all connection facilities

#### Waveguide First Leg Length:

4.500 inches

### Flange Style:

Choke type all flanges

# Waveguide Second Leg Length:

4.060 inches

#### **Waveguide Third Leg Length:**

6.125 inches

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Special Features:
W/one elbow
Flexibility:
Rigid all tubing segment
Material:
Aluminum all flange
Surface Treatment:
Anodize all tubing segment all surfaces
Style Designator:
Three bend type
Supplementary Features:
4.4 to 5.0 ghz elec rqmt range; up to 3 kw power level
Fsc Application Data:
Antennas, waveguides, and related equip.
Shelf Life:
N/a
Unit Of Measure:
<del>.</del>
Demilitarization:
Yes - demil/mli
Fiig:
A073a0