

View Online at <https://aerobasegroup.com/nsn/5985-00-070-8133>

**Cross Sectional Shape:**

Internal, rectangular external, rectangular

**Thread Class:**

32 first flange all connection facilities

**Thread Direction:**

Right-hand first flange all connection facilities

**Bend Angle In Deg:**

90.0 all bends h-plane

**End Application:**

Missile guidance and tracking set an/spg-55b

**Tubing Wall Construction Style:**

Seamless all tubing segment

**Flange Quantity:**

2

**Flange Inside Width:**

1.003 inches second flange and 1.006 inches second flange

**Flange Inside Height:**

0.503 inches second flange and 0.506 inches second flange

**Flange Outside Width:**

1.610 inches second flange and 1.640 inches second flange

**Flange Outside Height:**

1.610 inches first flange and 1.640 inches first flange

**Flange Depth:**

0.423 inches second flange and 0.453 inches second flange

**Flange Connecting Hole Diameter:**

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

**Maximum Operating Pressure:**

10.0 pounds per square inch gage

**Waveguide Outside Width:**

Between 0.996 inches and 1.004 inches

**Thread Size:**

0.164 inches first flange 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

**Waveguide Longer Offset Distance:**

Between 5.719 inches and 5.781 inches

**Flange Connecting Facility And Quantity:**

4 unthreaded hole second flange all connection facilities

**Flange Style:**

Cover type second flange

**Waveguide Offset Distance:**

0.500 inches

**Special Features:**

Tubing wall construction can also be laminated

**Flexibility:**

Rigid all tubing segment

**Material:**

Aluminum alloy all tubing segment and flange

**Precious Material And Location:**

Internal surfaces gold and internal surfaces silver

**Precious Material:**

Gold and silver

**Surface Treatment:**

Silver single tubing segment inside surfaces and gold single tubing segment inside surfaces

**Style Designator:**

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