

View Online at <https://aerobasegroup.com/nsn/5985-01-314-9589>

**Cross Sectional Shape:**

Internal, rectangular external, rectangular

**Thread Class:**

2b first flange single connection facility

**Thread Direction:**

Right-hand first flange single connection facility

**Bend Angle In Deg:**

90.0 second bend e-plane

**End Application:**

Landing control central an/spn-42a

**Tubing Wall Construction Style:**

Seamless single tubing segment

**Flange Quantity:**

2

**Flange Inside Width:**

0.362 inches second flange and 0.364 inches second flange

**Flange Inside Height:**

0.222 inches second flange and 0.224 inches second flange

**Flange Outside Width:**

0.735 inches first flange and 0.765 inches first flange

**Flange Outside Height:**

0.735 inches first flange and 0.765 inches first flange

**Flange Inside Diameter:**

0.485 inches first flange and 0.515 inches first flange

**Flange Depth:**

0.195 inches first flange and 0.225 inches first flange

**Flange Connecting Hole Diameter:**

0.116 inches second flange single connection facility and 0.118 inches second flange single connection facility

**Voltage Standing Wave Ratio:**

1.07

**Insertion Loss In Decibels:**

0.20

**Waveguide Outside Width:**

Between 0.358 inches and 0.362 inches

**Thread Size:**

0.112 inches first flange single connection facility

**Waveguide Inside Width:**

Between 0.2785 inches and 0.2815 inches

**Waveguide Inside Height:**

Between 0.1385 inches and 0.1415 inches

**Waveguide Outside Height:**

Between 0.218 inches and 0.222 inches

**Flange Connecting Facility And Quantity:**

4 unthreaded hole second flange single connection facility

**Flange Style:**

Cover type second flange

**Waveguide Center To Center Distance:**

5.530 inches

**Waveguide Height:**

2.900 inches

**Flexibility:**

Rigid single tubing segment

**Material:**

Copper alloy all tubing segment and flange

**Precious Material And Location:**

Internal surfaces silver

**Precious Material:**

Silver

**Surface Treatment:**

Silver all tubing segment and flange inside surfaces

**Style Designator:**

Double bend type

**Supplementary Features:**

M40 to p85 degrees c oper temp

**Thread Series Designator:**

Unc first flange single connection facility

**Fsc Application Data:**

Antennas, waveguides, and related equip.

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

Yes - demil/mli

**Fig:**

A073a0