

View Online at <https://aerobasegroup.com/nsn/5985-01-494-3142>

**Cross Sectional Shape:**

Internal, rectangular external, rectangular

**End Application:**

An/tps-73 antenna group/base; wsd: radar and iff systems

**Tubing Wall Construction Style:**

Corrugated all tubing segment

**Flange Quantity:**

2

**Flange Inside Width:**

2.835 inches all flanges and 2.845 inches all flanges

**Flange Inside Height:**

1.335 inches all flanges and 1.345 inches all flanges

**Flange Outside Width:**

4.495 inches all flanges and 4.505 inches all flanges

**Flange Outside Height:**

2.995 inches all flanges and 3.005 inches all flanges

**Flange Depth:**

0.245 inches all flanges and 0.255 inches all flanges

**Flange Connecting Hole Diameter:**

0.255 inches all flanges all connection facilities and 0.265 inches all flanges all connection facilities

**Voltage Standing Wave Ratio:**

0.519

**Insertion Loss In Decibels:**

0.015

**Waveguide Outside Width:**

Between 3.005 inches and 3.015 inches

**Waveguide Inside Width:**

Between 2.835 inches and 2.845 inches

**Waveguide Inside Height:**

Between 1.335 inches and 1.345 inches

**Waveguide Outside Height:**

Between 1.505 inches and 1.515 inches

**Flange Connecting Facility And Quantity:**

10 unthreaded hole all flanges all connection facilities

**Flange Style:**

Contact type all flanges

**Waveguide Length:**

5.930 inches

**Specified Frequency:**

Between 2.60 gigahertz and 3.95 gigahertz

**Flexibility:**

Flexible all tubing segment

**Material:**

Aluminum all tubing segment and flange

**Precious Material And Location:**

Core plating silver

**Precious Material:**

Silver

**Surface Treatment:**

Silver all tubing segment and flange inside surfaces

**Style Designator:**

Straight type

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

Yes - demil/mli

**Fig:**

A073a0