

View Online at <https://aerobasegroup.com/nsn/5985-01-494-3139>

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:

1.728

Insertion Loss In Decibels:

0.049

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:

19.745 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