

View Online at <https://aerobasegroup.com/nsn/5985-01-542-2065>

**Cross Sectional Shape:**

Internal, rectangular external, rectangular

**End Application:**

Oe-170 (v) 1-4/fsc, antenna, next assembly a3193614

**Tubing Wall Construction Style:**

Seamless all tubing segment

**Flange Quantity:**

2

**Flange Inside Width:**

1.368 inches all flanges and 1.376 inches all flanges

**Flange Inside Height:**

0.618 inches all flanges and 0.626 inches all flanges

**Flange Outside Width:**

2.670 inches all flanges and 2.710 inches all flanges

**Flange Outside Height:**

1.920 inches all flanges and 1.960 inches all flanges

**Flange Depth:**

0.480 inches all flanges and 0.520 inches all flanges

**Flange Connecting Hole Diameter:**

0.192 inches all flanges all connection facilities and 0.200 inches all flanges all connection facilities

**Voltage Standing Wave Ratio:**

1.05

**Waveguide Outside Width:**

Between 1.496 inches and 1.504 inches

**Waveguide Inside Width:**

Between 1.368 inches and 1.376 inches

**Waveguide Inside Height:**

Between 0.618 inches and 0.626 inches

**Waveguide Outside Height:**

Between 0.746 inches and 0.754 inches

**Flange Connecting Facility And Quantity:**

8 unthreaded hole all flanges all connection facilities

**Flange Style:**

Contact type all flanges

**Waveguide Length:**

8.500 inches

**Product Name:**

Waveguide assembly, w16

**Specified Frequency:**

Between 7.25 gigahertz and 7.75 gigahertz

**Flexibility:**

Rigid single tubing segment

**Material:**  
Aluminum alloy all tubing segment and flange or copper alloy all tubing segment and flange or magnesium alloy all tubing segment and flange

**Style Designator:**  
Straight type

**Shelf Life:**  
N/a

**Unit Of Measure:**  
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**Demilitarization:**  
Yes - demil/mli

**Fig:**  
A073a0