

View Online at <https://aerobasegroup.com/nsn/5985-00-166-0080>

**Cross Sectional Shape:**

Internal, rectangular external, rectangular

**Thread Class:**

2b first flange all connection facilities

**Thread Direction:**

Right-hand first flange all connection facilities

**Tubing Wall Construction Style:**

Seamless all tubing segment

**Flange Quantity:**

2

**Flange Inside Width:**

1.003 inches second flange

**Flange Inside Height:**

0.503 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 Inside Diameter:**

1.406 inches first flange and 1.437 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

**Thready Qty Per Inch (tpi):**

32 first flange all connection facilities

**Waveguide Outside Width:**

Between 0.996 inches and 1.004 inches

**Thread Size:**

0.138 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

**Criticality Code Justification:**

Feat

**Waveguide Outside Height:**

Between 0.496 inches and 0.504 inches

**Flange Connecting Facility And Quantity:**

4 threaded hole first flange all connection facilities

**Flange Style:**

Cover type second flange

**Special Features:**

Weapon system essential. Features - choke flange includes one gasket rfi type per triad inc no. 6034 or equivalent; flange faces free of paint.

**Flexibility:**

Rigid all tubing segment

**Material:**

Aluminum alloy all tubing segment and flange

**Surface Treatment:**

Enamel all tubing segment and flange outside surfaces

**Thread Series Designator:**

Unc first flange all connection facilities

**Specification Data:**

20418-633401 manufacturers source control

**Fsc Application Data:**

Antennas, waveguides, and related equipment

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fiig:**

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