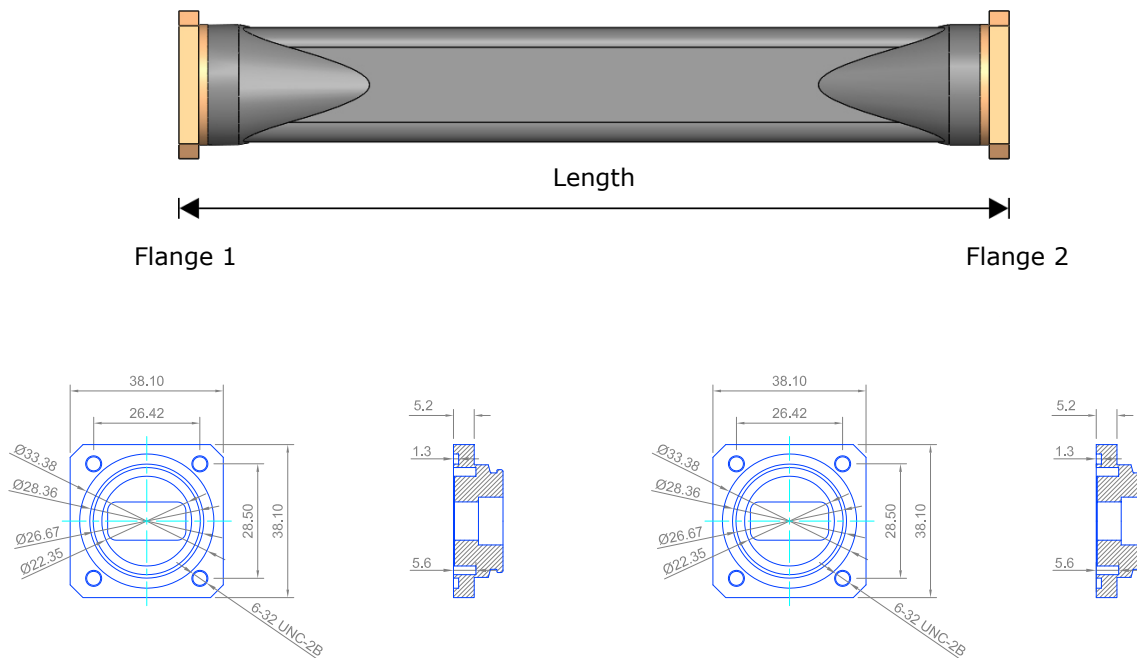


Flexible Twistable Waveguide

P/N: FT-120/300-KF.KF-B.NP

DATASHEET



Part Number:

FT-120/300-KF.KF-B.NP

Description

Product Type:

Flexible Twistable Waveguide

Waveguide Size:

R120 / WG17 / WR75

Flange 1:

KF (UG MIL...59D-010)

Flange 2:

KF (UG MIL...59D-010)

Length:

300 mm / 11.8 inches +/- 1.5% or +/- 2 mm

Flange Material / Finish:

Brass Flanges / Nickel Plating & External Black Paint

Accessories:

Screws, Nuts, Washers, O-ring(s) / Gasket(s)

Mechanical Specifications

Jacket Material:

Silicone Rubber

Core Material:

Silver Plated Brass

Max. Recommended Operating Pressure:

15 psi / 1 kg/cm²

Min E-Plane Bend Radius (Static):

54 mm / 2.1 inches

Min H-Plane Bend Radius (Static):

108 mm / 4.3 inches

Maximum Twist (Static):

365 Deg/m or 111.3 Deg/ft

Min E-Plane Bend Radius (Repeated):

216 mm / 8.5 inches

Min H-Plane Bend Radius (Repeated):

432 mm / 17.0 inches

Maximum Twist (Repeated):

92 Deg/m or 28.0 Deg/ft

Electrical Specifications

Frequency Range: 10.0 - 15.0 GHz

Insertion Loss: 0.15 dB Maximum

Return Loss: 28.4 dB Minimum

Peak Power: 180 kW Maximum

Average (CW) Power: 750 W Maximum

Environmental Performance

Temperature Range: -70 to +150°C

UV Resistance: Excellent

Ozone Resistance: Excellent

I.P. Rating: IP68

Salt Mist: BS EN 60068-2-52

(method Kb) - Extreme

Marine Environments

Contact Information

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