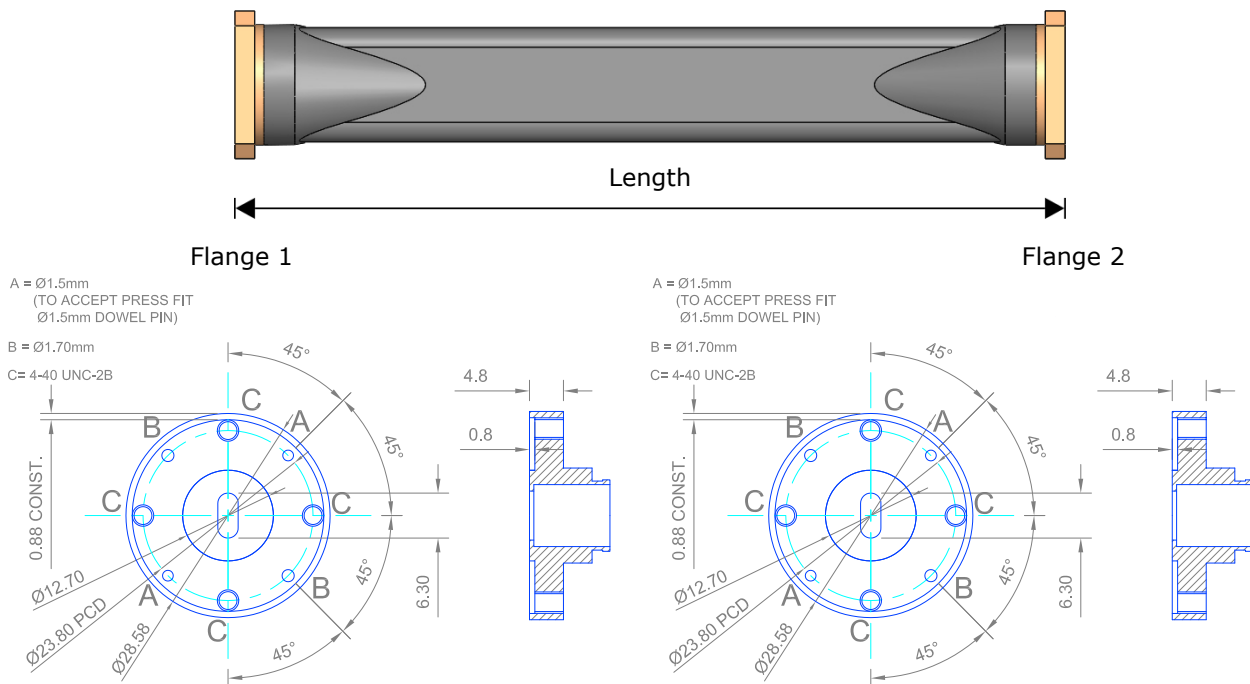


Flexible Twistable Waveguide

P/N: FT-400/400-LF.LF-B.NP

DATASHEET



Part Number:

FT-400/400-LF.LF-B.NP

Description

Product Type:

Flexible Twistable Waveguide

Waveguide Size:

R400 / WG23 / WR22

Flange 1:

LF (UG 383B/U)

Flange 2:

LF (UG 383B/U)

Length:

400 mm / 15.7 inches +/- 1.5% or +/- 2 mm

Flange Material / Finish:

Brass Flanges / Nickel Plating & External Black Paint

Accessories:

Screws, Nuts, Washers

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):

18 mm / 0.7 inches

Min H-Plane Bend Radius (Static):

38 mm / 1.5 inches

Maximum Twist (Static):

920 Deg/m or 280.4 Deg/ft

Min E-Plane Bend Radius (Repeated):

78 mm / 3.1 inches

Min H-Plane Bend Radius (Repeated):

158 mm / 6.2 inches

Maximum Twist (Repeated):

230 Deg/m or 70.1 Deg/ft

Electrical Specifications

Frequency Range: 33.0 - 50.0 GHz

Insertion Loss: 1 dB Maximum

Return Loss: 16.5 dB Minimum

Peak Power: 12 kW Maximum

Average (CW) Power: 65 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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