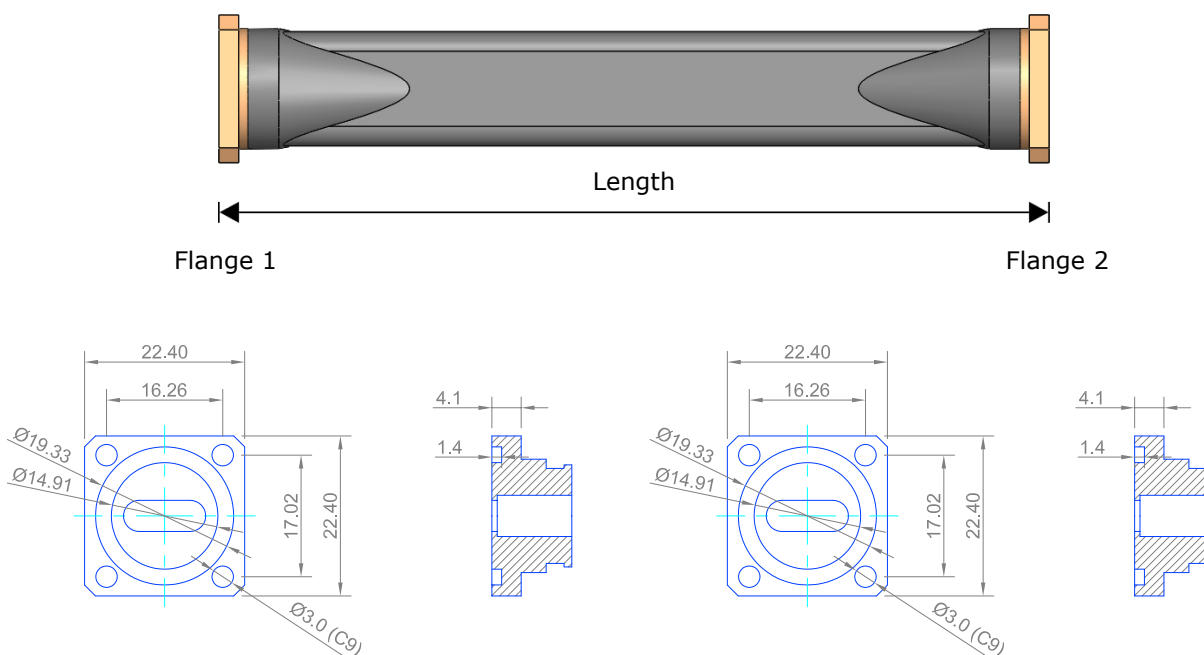


Flexible Twistable Waveguide

P/N: FT-220/400-GF.GF-B.NP

DATASHEET



Part Number:

FT-220/400-GF.GF-B.NP

Description

Product Type:

Flexible Twistable Waveguide

Waveguide Size:

R220 / WG20 / WR42

Flange 1:

GF (PBR 220)

Flange 2:

GF (PBR 220)

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, 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):

30 mm / 1.2 inches

Min H-Plane Bend Radius (Static):

60 mm / 2.4 inches

Maximum Twist (Static):

630 Deg/m or 192.0 Deg/ft

Min E-Plane Bend Radius (Repeated):

120 mm / 4.7 inches

Min H-Plane Bend Radius (Repeated):

240 mm / 9.4 inches

Maximum Twist (Repeated):

157 Deg/m or 47.9 Deg/ft

Electrical Specifications

Frequency Range: 17.7 - 26.5 GHz

Insertion Loss: 0.48 dB Maximum

Return Loss: 22.1 dB Minimum

Peak Power: 45 kW Maximum

Average (CW) Power: 100 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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