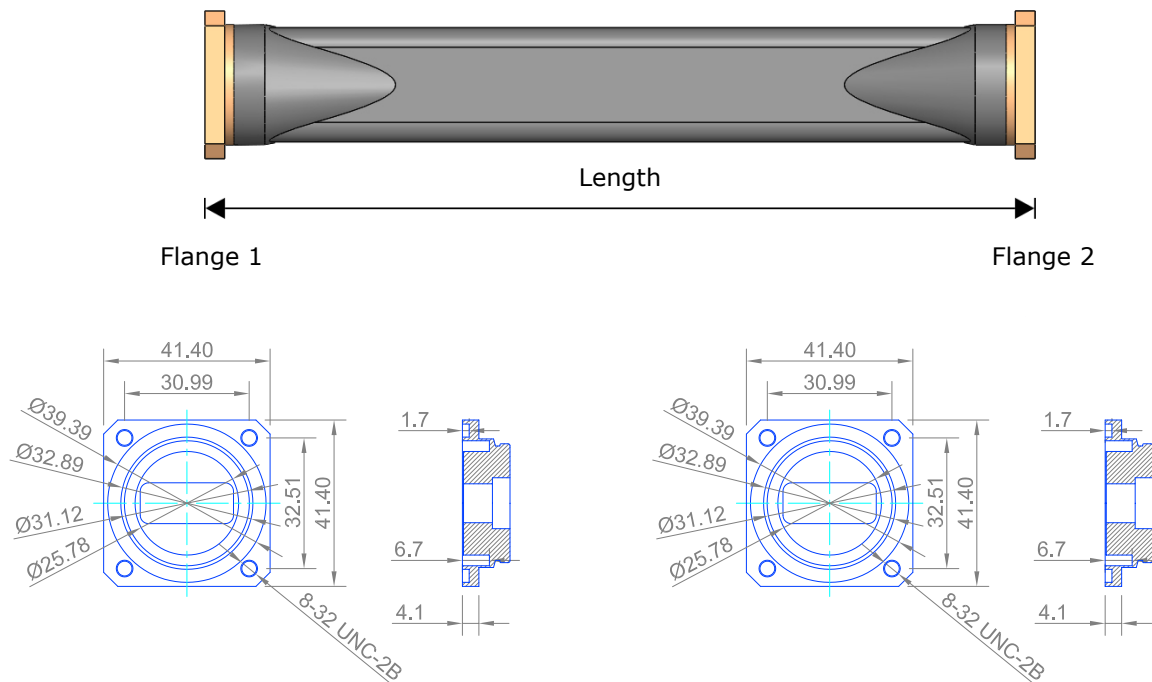


Flexible Twistable Waveguide

P/N: FT-100/100-KF.KF-B.NP

DATASHEET



Part Number:

Description

Product Type:

Waveguide Size:

Flange 1:

Flange 2:

Length:

Flange Material / Finish:

Accessories:

Mechanical Specifications

Jacket Material:

Core Material:

Max. Recommended Operating Pressure:

Min E-Plane Bend Radius (Static):

Min H-Plane Bend Radius (Static):

Maximum Twist (Static):

Min E-Plane Bend Radius (Repeated):

Min H-Plane Bend Radius (Repeated):

Maximum Twist (Repeated):

Electrical Specifications

Frequency Range: 8.20 - 12.4 GHz

Insertion Loss: 0.04 dB Maximum

Return Loss: 29.2 dB Minimum

Peak Power: 220 kW Maximum

Average (CW) Power: 1 kW Maximum

Contact Information

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FT-100/100-KF.KF-B.NP

Flexible Twistable Waveguide

R100 / WG16 / WR90

KF (UG 40B/U)

KF (UG 40B/U)

100 mm / 3.9 inches +/- 1.5% or +/- 2 mm

Brass Flanges / Nickel Plating & External Black Paint

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

Silicone Rubber

Silver Plated Brass

15 psi / 1 kg/cm²

66 mm / 2.6 inches

132 mm / 5.2 inches

315 Deg/m or 96.0 Deg/ft

264 mm / 10.4 inches

528 mm / 20.8 inches

76 Deg/m or 23.2 Deg/ft

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