H11FB-602-S

6-1/8 in EIA Female Flange with gas barrier for 4 in HJ11-50 air dielectric cable. Coupling Element, O-Ring, screw-set sold separately. Click-on: Related Products, Device connectors and Adapters

Product Classification

Product Type: Air coaxial connector
Product Brand: HELIAX®
Ordering Note: Gas pass version can be created by drilling out the PTFE dielectric | Male version can be created ordering an appropriate coupling element separately | When ordering factory assembled transmission lines gas pass/barrier option can be fitted

General Specifications

Body Style: Straight
Cable Family: HJ11-50
Gas Barrier: Yes
Inner Contact Attachment Method: Thread-in stub
Inner Contact Plating: Silver
Interface: 6-1/8 in EIA Female Flange
Mounting Angle: Straight
Outer Contact Attachment Method: Tab-flare
Outer Contact Plating: Silver

Dimensions

Length: 223.012 mm | 8.78 in
Diameter: 198.12 mm | 7.8 in
Nominal Size: 4 in

Electrical Specifications

Insertion Loss, typical: 0.05 dB
Average Power at Frequency: 18.7 kW @ 860 MHz
**H11FB-602-S**

- **Cable Impedance**: 50 ohm
- **Connector Impedance**: 50 ohm
- **dc Test Voltage**: 21 kV
- **Insulation Resistance, minimum**: 5000 MΩhm
- **Operating Frequency Band**: 0 – 860 MHz
- **Peak Power, maximum**: 1100 kW
- **RF Operating Voltage, maximum (vrms)**: 7423 V

**VSWR/Return Loss**

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0–860 MHz</td>
<td>1.02</td>
<td>40.09</td>
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</tbody>
</table>

**Environmental Specifications**

- **Operating Temperature**: -40 °C to +85 °C (-40 °F to +185 °F)
- **Storage Temperature**: -70 °C to +85 °C (-94 °F to +185 °F)

**Packaging and Weights**

- **Weight, net**: 11.3 kg | 24.912 lb

**Regulatory Compliance/Certifications**

- **Agency**
  - CHINA-ROHS: Below maximum concentration value
  - ISO 9001:2015: Designed, manufactured and/or distributed under this quality management system
  - REACH-SVHC: Compliant as per SVHC revision on www.commscope.com/ProductCompliance
  - ROHS: Compliant

*Footnotes*

- **Insertion Loss, typical**: 0.05√freq (GHz) (not applicable for elliptical waveguide)