

H11FB-M408-S



4-1/2 in IEC 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

| | |
|---------------------|-----------------------|
| Brand | HELIAX® |
| Product Type | Air coaxial connector |

General Specifications

| | |
|-----------------------|--|
| Interface | 4-1/2 in IEC Female Flange |
| Body Style | Straight |
| Gas Barrier | Yes |
| Mounting Angle | Straight |
| 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 |

Electrical Specifications

| | |
|---|-------------------|
| Connector Impedance | 50 ohm |
| Operating Frequency Band | 0 – 1000 MHz |
| Cable Impedance | 50 ohm |
| RF Operating Voltage, maximum (vrms) | 7424.00 V |
| dc Test Voltage | 21 kV |
| Insulation Resistance, minimum | 5000 MOhm |
| Average Power | 17.5 kW @ 960 MHz |
| Peak Power, maximum | 1100.00 kW |
| Insertion Loss, typical | 0.05 dB |

Mechanical Specifications

| | |
|--|----------------|
| Outer Contact Attachment Method | Tab-flare |
| Inner Contact Attachment Method | Thread-in stub |
| Outer Contact Plating | Silver |
| Inner Contact Plating | Silver |

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Dimensions

| | |
|---------------------|---------------------|
| Nominal Size | 4 in |
| Diameter | 160.00 mm 6.30 in |
| Length | 194.00 mm 7.64 in |
| Weight | 8.50 kg 18.74 lb |

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) |

Return Loss/VSWR

| Frequency Band | VSWR | Return Loss (dB) |
|-----------------------|-------------|-------------------------|
| 0–1000 MHz | 1.02 | 40.09 |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |



* Footnotes

Insertion Loss, typical 0.05vfreq (GHz) (not applicable for elliptical waveguide)