



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

|               |  |
|---------------|--|
| 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                       | 4-1/2 in IEC Female Flange |
| Mounting Angle                  | Straight                   |
| Outer Contact Attachment Method | Tab-flare                  |
| Outer Contact Plating           | Silver                     |

## Dimensions

|              |                      |
|--------------|----------------------|
| Length       | 194.056 mm   7.64 in |
| Diameter     | 160.02 mm   6.3 in   |
| Nominal Size | 4 in                 |

## Electrical Specifications

|                            |                   |
|----------------------------|-------------------|
| Insertion Loss, typical    | 0.05 dB           |
| Average Power at Frequency | 17.5 kW @ 960 MHz |

# H11FB-M408-S 苏州启道 - 康普安德鲁HELIAX中国区独家授权总代理

|                                      |              |
|--------------------------------------|--------------|
| Cable Impedance                      | 50 ohm       |
| Connector Impedance                  | 50 ohm       |
| dc Test Voltage                      | 21 kV        |
| Insulation Resistance, minimum       | 5000 MOhm    |
| Operating Frequency Band             | 0 – 1000 MHz |
| Peak Power, maximum                  | 1100 kW      |
| RF Operating Voltage, maximum (vrms) | 7424 V       |

## VSWR/Return Loss

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

## 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 | 8.5 kg   18.739 lb |
|-------------|--------------------|

## Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |



## \* Footnotes

|                         |  |
|-------------------------|--|
| Insertion Loss, typical | 0.05v~freq (GHz) (not applicable for elliptical waveguide) |
|-------------------------|--|