

H5FPB-110-S



1-5/8 in EIA Female Flange without gas barrier for 7/8 in HJ5-50 air dielectric cables. 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 | 1-5/8 in EIA Flange |
| Body Style | Straight |
| Gas Barrier | No |
| Mounting Angle | Straight |

Electrical Specifications

| | |
|---|------------------|
| Connector Impedance | 50 ohm |
| Operating Frequency Band | 0 – 2200 MHz |
| Cable Impedance | 50 ohm |
| RF Operating Voltage, maximum (vrms) | 2121.00 V |
| dc Test Voltage | 6 kV |
| Insulation Resistance, minimum | 5000 MOhm |
| Average Power | 2.2 kW @ 960 MHz |
| Peak Power, maximum | 90.00 kW |
| Insertion Loss, typical | 0.05 dB |

Mechanical Specifications

| | |
|--|----------------|
| Outer Contact Attachment Method | Tab-flare |
| Inner Contact Attachment Method | Spring fingers |
| Outer Contact Plating | Silver |
| Inner Contact Plating | Silver |

Dimensions

| | |
|---------------------|--------------------|
| Nominal Size | 7/8 in |
| Diameter | 88.50 mm 3.48 in |

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Length 115.00 mm | 4.53 in
Weight 0.85 kg | 1.87 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) |
|----------------|------|------------------|
| 0–2200 MHz | 1.03 | 36.00 |

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU
ISO 9001:2015
China RoHS SJ/T 11364-2014

Classification

Compliant by Exemption
Designed, manufactured and/or distributed under this quality management system
Above Maximum Concentration Value (MCV)



* Footnotes

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