

# H5FB-014-S



7/8 in EIA female Flange with gas barrier for 7/8 in HJ5-50 air dielectric cable. Coupling Element, O-Ring, screw-set sold separately. Click-on: Related Products, Device connectors and Adapters

## Product Classification

<b>Brand</b>	HELIAX®
<b>Product Type</b>	Air coaxial connector

## General Specifications

<b>Interface</b>	7/8 in EIA Female Flange
<b>Body Style</b>	Straight
<b>Gas Barrier</b>	Yes
<b>Mounting Angle</b>	Straight

## Electrical Specifications

<b>Connector Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	0 – 5200 MHz
<b>Cable Impedance</b>	50 ohm
<b>RF Operating Voltage, maximum (vrms)</b>	2121.00 V
<b>dc Test Voltage</b>	6 kV
<b>Insulation Resistance, minimum</b>	5000 MOhm
<b>Average Power</b>	2.2 kW @ 900 MHz
<b>Peak Power, maximum</b>	90.00 kW
<b>Insertion Loss, typical</b>	0.05 dB

## Mechanical Specifications

<b>Outer Contact Attachment Method</b>	Tab-flare
<b>Inner Contact Attachment Method</b>	Spring fingers
<b>Outer Contact Plating</b>	Silver
<b>Inner Contact Plating</b>	Silver

## Dimensions

<b>Nominal Size</b>	7/8 in
<b>Diameter</b>	57.20 mm   2.25 in

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**Length** 99.00 mm | 3.90 in  
**Weight** 0.55 kg | 1.21 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	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014	Above Maximum Concentration Value (MCV)



## \* Footnotes

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