

# H9FB-602-S

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6-1/8 in EIA Female Flange with gas barrier for 5 in HJ9-50 air dielectric cable. Coupling Element, O-Ring, screw-set sold separately. Click-on: Related Products, Device connectors and Adapters

## Product Classification

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

<b>Body Style</b>	Straight
<b>Cable Family</b>	HJ9-50
<b>Gas Barrier</b>	Yes
<b>Inner Contact Attachment Method</b>	Thread-in stub
<b>Inner Contact Plating</b>	Silver
<b>Interface</b>	6-1/8 in EIA Female Flange
<b>Mounting Angle</b>	Straight
<b>Outer Contact Attachment Method</b>	Tab-flare
<b>Outer Contact Plating</b>	Silver

## Dimensions

<b>Length</b>	241.046 mm   9.49 in
<b>Diameter</b>	198.12 mm   7.8 in
<b>Nominal Size</b>	5 in

## Electrical Specifications

<b>Insertion Loss, typical</b>	0.05 dB
<b>Average Power at Frequency</b>	25.5 kW @ 860 MHz

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<b>Cable Impedance</b>	50 ohm
<b>Connector Impedance</b>	50 ohm
<b>dc Test Voltage</b>	28 kV
<b>Insulation Resistance, minimum</b>	5000 MOhm
<b>Operating Frequency Band</b>	0 – 860 MHz
<b>Peak Power, maximum</b>	1890 kW
<b>RF Operating Voltage, maximum (vrms)</b>	9721 V

## VSWR/Return Loss

<b>Frequency Band</b>	<b>VSWR</b>	<b>Return Loss (dB)</b>
<b>0–860 MHz</b>	1.02	40.09

## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +85 °C (-40 °F to +185 °F)
<b>Storage Temperature</b>	-70 °C to +85 °C (-94 °F to +185 °F)

## Packaging and Weights

<b>Weight, net</b>	16.5 kg   36.376 lb
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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

<b>Insertion Loss, typical</b>	0.05v <sup>-1</sup> freq (GHz) (not applicable for elliptical waveguide)
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