

H9HPFB-602-S



6-1/8 in EIA Female Flange with gas barrier for 5 in HJ9HP-50 high power 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	HJ9HP-50
Gas Barrier	Yes
Inner Contact Attachment Method	Thread-in stub
Inner Contact Plating	Silver
Interface	6-1/8 in EIA Female Flange
Mounting Angle	Straight
Outer Contact Attachment Method	Tab-flare
Outer Contact Plating	Silver

Dimensions

Length	9.49 in 241.046 mm
Diameter	7.8 in 198.12 mm
Nominal Size	5 in

Electrical Specifications

Insertion Loss, typical	0.05 dB
Average Power at Frequency	49.1 kW @ 800 MHz
Cable Impedance	50 ohm

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

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–860 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	16.5 kg 36.376 lb
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Regulatory Compliance/Certifications

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



* Footnotes

Insertion Loss, typical	$0.05\sqrt{\text{freq (GHz)}}$ (not applicable for elliptical waveguide)
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