

H5FPB-110-S



1-5/8 in EIA Female Flange for 7/8 in HJ5-50 air dielectric cables. Includes gas barrier that can be drilled in predetermined location for gas-pass.

Product Classification

Product Type	Air coaxial connector
Product Brand	HELIAX®

General Specifications

Body Style	Straight
Cable Family	HJ5-50
Gas Barrier	No
Inner Contact Attachment Method	Spring fingers
Inner Contact Plating	Silver
Interface	1-5/8 in EIA Flange
Mounting Angle	Straight
Outer Contact Attachment Method	Tab-flare
Outer Contact Plating	Silver

Dimensions

Length	115.062 mm 4.53 in
Diameter	88.392 mm 3.48 in
Nominal Size	7/8 in

Electrical Specifications

Insertion Loss, typical	0.05 dB
Average Power at Frequency	2.2 kW @ 960 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm

H5FPB-110-S

dc Test Voltage	6 kV
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 2200 MHz
Peak Power, maximum	90 kW
RF Operating Voltage, maximum (vrms)	2121 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–2200 MHz	1.03	36.61

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	0.85 kg 1.874 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 www.commscope.com/ProductCompliance
ROHS	Compliant



* Footnotes

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