

H5MPB-110

1-5/8 in EIA Male Flange without gas barrier for 7/8 in HJ5-50 air dielectric cables

OBSOLETE

This product was discontinued on: April 1, 2014

Replaced By:

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	Self-tapping
Inner Contact Plating	Silver
Interface	1-5/8 in EIA Male Flange
Mounting Angle	Straight
Outer Contact Attachment Method	Tab-flare
Outer Contact Plating	Unplated

Dimensions

Length	131.572 mm 5.18 in
Diameter	88.9 mm 3.5 in
Nominal Size	7/8 in

Electrical Specifications

Insertion Loss, typical	0.05 dB
Average Power at Frequency	4.9 kW @ 900 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm

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dc Test Voltage	11 kV
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	470 – 816 MHz
Peak Power, maximum	300 kW
RF Operating Voltage, maximum (vrms)	3880 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–2200 MHz	1.04	36

Environmental Specifications

Operating Temperature	-40 °C to +150 °C (-40 °F to +302 °F)
Storage Temperature	-70 °C to +100 °C (-94 °F to +212 °F)

Packaging and Weights

Weight, net	0.54 kg 1.19 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	0.05v~freq (GHz) (not applicable for elliptical waveguide)
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