

H9FB-M408



4-1/2 in IEC Female Flange with gas barrier for 5 in HJ9-50 air dielectric cable

OBSOLETE

This product was discontinued on: April 1, 2014

Replaced By:

H9FB-M408-S

4-1/2 in IEC 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

Product Type	Air coaxial connector
Product Brand	HELIAX®

General Specifications

Body Style	Straight
Cable Family	HJ9-50
Gas Barrier	Yes
Inner Contact Attachment Method	Thread-in stub
Inner Contact Plating	Unplated
Interface	4-1/2 in IEC Female Flange
Mounting Angle	Straight
Outer Contact Attachment Method	Tab-flare
Outer Contact Plating	Silver

Dimensions

Length	209.55 mm 8.25 in
Diameter	167.64 mm 6.6 in
Nominal Size	5 in

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Electrical Specifications

Insertion Loss, typical	0.05 dB
Average Power at Frequency	27.0 kW @ 900 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	21 kV
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 900 MHz
Peak Power, maximum	1100 kW
RF Operating Voltage, maximum (vrms)	7424 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–2200 MHz	1.03	39.3
2210–3000 MHz	1.03	38.2

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	12.36 kg 27.249 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	0.05v̄freq (GHz) (not applicable for elliptical waveguide)
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