

H9FP-M408

4-1/2 in IEC Female Flange without gas barrier for 5 in HJ9-50 air dielectric cable

OBSOLETE

This product was discontinued on: April 1, 2014

Product Classification

Product Type	Air coaxial connector
Product Brand	HELIAX®

General Specifications

Body Style	Straight
Cable Family	HJ9-50
Gas Barrier	No
Inner Contact Attachment Method	Thread-in stub
Inner Contact Plating	Silver
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

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

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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)
45–500 MHz	1.03	39.3
510–1000 MHz	1.03	39.3
1010–1500 MHz	1.03	39
1510–2200 MHz	1.03	38.6
2210–2500 MHz	1.04	35

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	11.57 kg 25.507 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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