

H9MB-M408



4-1/2 in IEC Male Flange with 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	Yes
Inner Contact Attachment Method	Thread-in stub
Inner Contact Plating	Silver
Interface	4-1/2 in IEC Male Flange
Mounting Angle	Straight
Outer Contact Attachment Method	Tab-flare
Outer Contact Plating	Unplated

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
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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 – 960 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	38
2200–2700 MHz	1.03	37

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	0.05v ⁻ freq (GHz) (not applicable for elliptical waveguide)
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