

# Product Specifications



H9MB-M408

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

## CHARACTERISTICS

### General Specifications

Interface	4-1/2 in IEC Male Flange
Body Style	Straight
Brand	HELIAX®
Gas Barrier	Yes
Mounting Angle	Straight

### Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 960 MHz
Cable Impedance	50 ohm
RF Operating Voltage, maximum (vrms)	7424.00 V
dc Test Voltage	21 kV
Insulation Resistance, minimum	5000 MOhm
Average Power	27.0 kW @ 900 MHz
Peak Power, maximum	1100.00 kW
Insertion Loss, typical	0.05 dB

### Mechanical Specifications

Outer Contact Attachment Method	Tab-flare
Inner Contact Attachment Method	Thread-in stub
Outer Contact Plating	Unplated
Inner Contact Plating	Silver

### Dimensions

Nominal Size	5 in
Diameter	167.64 mm   6.60 in
Length	209.55 mm   8.25 in
Weight	11.57 kg   25.50 lb

### 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)

### Return Loss

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Frequency Band	VSWR	Return Loss (dB)
0-2200 MHz	1.03	38.00
2200-2700 MHz	1.03	37.00

## \* Footnotes

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Insertion Loss, typical  $0.05\sqrt{\text{freq (GHz)}}$  (not applicable for elliptical waveguide)