

# Product Specifications

## H11MB-M408

4-1/2 in IEC Male Flange with gas barrier for 4 in HJ11-50 air dielectric cable



## CHARACTERISTICS

### General Specifications

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

### Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 1000 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	4 in
Diameter	161.59 mm   6.36 in
Length	177.80 mm   7.00 in
Weight	5.25 kg   11.57 lb

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## Environmental Specifications

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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)
0–880 MHz	1.03	37.00
880–1800 MHz	1.07	30.00
1800–5300 MHz	1.09	27.00
5300–6200 MHz	1.11	26.00
6200–7000 MHz	1.15	23.00

## \* Footnotes

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