

Product Specifications



H11MB-302

3-1/8 in EIA Male Flange with gas barrier for 4 in HJ11-50 air dielectric cable



CHARACTERISTICS

General Specifications

Interface	3-1/8 in EIA Male Flange
Body Style	Straight
Brand	HELIAX®
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)	6717.00 V
dc Test Voltage	19 kV
Insulation Resistance, minimum	5000 MOhm
Average Power	16.0 kW @ 900 MHz
Peak Power, maximum	902.00 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	138.18 mm 5.44 in

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Length 177.80 mm | 7.00 in
Weight 5.44 kg | 12.00 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

Frequency Band	VSWR	Return Loss (dB)
45–280 MHz	1.02	42.00
280–520 MHz	1.02	40.00
520–860 MHz	1.03	38.00

* Footnotes

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