

Product Specifications



H9MB-602

6-1/8 in EIA Male Flange with gas barrier for 5 in HJ9-50 air dielectric cable

CHARACTERISTICS

General Specifications

Interface	6-1/8 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 – 860 MHz
Cable Impedance	50 ohm
RF Operating Voltage, maximum (vrms)	9721.00 V
dc Test Voltage	28 kV
Insulation Resistance, minimum	5000 MOhm
Average Power	57.0 kW @ 900 MHz
Peak Power, maximum	1890.00 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	206.25 mm 8.12 in
Length	241.30 mm 9.50 in
Weight	16.78 kg 37.00 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

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Frequency Band	VSWR	Return Loss (dB)
45–500 MHz	1.02	39.30
510–1000 MHz	1.02	39.30
1010–1500 MHz	1.02	39.00
1510–2200 MHz	1.02	38.60
2210–2500 MHz	1.04	35.00

* Footnotes

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