

**87G****1-5/8 in EIA Male Flange with gas barrier for 1-5/8 in HJ7-50A air dielectric cable**

POWERED BY



General Specifications

Interface	1-5/8 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 – 2700 MHz
Cable Impedance	50 ohm
RF Operating Voltage, maximum (vrms)	3880.00 V
dc Test Voltage	11 kV
Insulation Resistance, minimum	5000 MOhm
Average Power	4.9 kW @ 900 MHz
Peak Power, maximum	300.00 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	1-5/8 in
Diameter	61.11 mm 2.41 in
Length	146.05 mm 5.75 in
Weight	1.75 kg 3.86 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/VSWR

Frequency Band	VSWR	Return Loss (dB)
45–1000 MHz	1.02	40.00
1000–2000 MHz	1.04	35.00
2000–3000 MHz	1.05	32.00

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3000–4000 MHz	1.17	22.00
4000–5200 MHz	1.42	15.20



Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



* Footnotes

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