

H7FB-014-S



7/8 in EIA Female Flange with gas barrier for 1-5/8 in HJ7-50A air dielectric cable. Coupling Element, O-Ring, screw-set sold separately. Click-on: Related Products, Device connectors and Adapters

Product Classification

Brand	HELIAX®
Product Type	Air coaxial connector

General Specifications

Interface	7/8 in EIA Female Flange
Body Style	Straight
Gas Barrier	Yes
Mounting Angle	Straight
Ordering Note	Gas pass version can be created by drilling out the PTFE dielectric

Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 2700 MHz
Cable Impedance	50 ohm
RF Operating Voltage, maximum (vrms)	2121.00 V
dc Test Voltage	6 kV
Insulation Resistance, minimum	5000 MOhm
Average Power	3.5 kW @ 900 MHz
Peak Power, maximum	90.00 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	Silver
Inner Contact Plating	Silver

Dimensions

Nominal Size	1-5/8 in
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Diameter	72.00 mm 2.83 in
Length	130.00 mm 5.12 in
Weight	1.40 kg 3.09 lb

Environmental Specifications

Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Storage Temperature	-70 °C to +85 °C (-94 °F to +185 °F)

Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
0–1000 MHz	1.02	40.09
1000–2200 MHz	1.04	34.15
2200–2700 MHz	1.06	30.71

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014	Above Maximum Concentration Value (MCV)



* Footnotes

Insertion Loss, typical 0.05v/freq (GHz) (not applicable for elliptical waveguide)