

H8FB-302-S



3-1/8 in EIA Female Flange with gas barrier for 3 in HJ8-50B 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	3-1/8 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 Male version can be created ordering an appropriate coupling element separately When ordering factory assembled transmission lines gas pass/barrier option can be fitted

Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 1640 MHz
Cable Impedance	50 ohm
RF Operating Voltage, maximum (vrms)	5656.00 V
dc Test Voltage	16 kV
Insulation Resistance, minimum	5000 MOhm
Average Power	10.9 kW @ 960 MHz
Peak Power, maximum	640.00 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

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Dimensions

Nominal Size	3 in
Diameter	135.50 mm 5.33 in
Length	163.00 mm 6.42 in
Weight	5.50 kg 12.13 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)
0–960 MHz	1.02	40.09
960–1640 MHz	1.04	34.15

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



* Footnotes

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