H11FB-M408-S

4-1/2 in IEC Female Flange with gas barrier for 4 in HJ11-50 air dielectric cable. Coupling Element, O-Ring, screw-set sold separately. Click-on: Related Products, Device connectors and Adapters

OBSOLETE

Product Classification

Product Type	Air coaxial connector
Product Brand	HELIAX®
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

General Specifications

Body Style	Straight
Cable Family	HJ11-50
Gas Barrier	Yes
Inner Contact Attachment Method	Thread-in stub
Inner Contact Plating	Silver
Interface	4-1/2 in IEC Female Flange
Mounting Angle	Straight
Outer Contact Attachment Method	Tab-flare
Outer Contact Plating	Silver

Dimensions

Length	194.056 mm | 7.64 in
Diameter	160.02 mm | 6.3 in
Nominal Size	4 in

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Electrical Specifications

Insertion Loss, typical	0.05 dB
Average Power at Frequency	17.5 kW @ 960 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	21 kV
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 1000 MHz
Peak Power, maximum	1100 kW
RF Operating Voltage, maximum (vrms)	7424 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–1000 MHz	1.02	40.09

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)

Packaging and Weights

Weight, net	8.5 kg | 18.739 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

* Footnotes

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