

# H5MB-014

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7/8 in EIA Male Flange with gas barrier for 7/8 in HJ5-50 air dielectric cable

## OBSOLETE

This product was discontinued on: April 1, 2014

### Replaced By:

H5FB-014-S

7/8 in EIA female Flange with gas barrier for 7/8 in HJ5-50 air dielectric cable. Coupling Element, O-Ring, screw-set sold separately. Click-on: Related Products, Device connectors and Adapters

## Product Classification

<b>Product Type</b>	Air coaxial connector
<b>Product Brand</b>	HELIAX®

## General Specifications

<b>Body Style</b>	Straight
<b>Cable Family</b>	HJ5-50
<b>Gas Barrier</b>	Yes
<b>Inner Contact Attachment Method</b>	Self-tapping
<b>Inner Contact Plating</b>	Silver
<b>Interface</b>	7/8 in EIA Male Flange
<b>Mounting Angle</b>	Straight
<b>Outer Contact Attachment Method</b>	Tab-flare
<b>Outer Contact Plating</b>	Unplated

## Dimensions

<b>Length</b>	105.918 mm   4.17 in
<b>Diameter</b>	57.658 mm   2.27 in
<b>Nominal Size</b>	7/8 in

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## Electrical Specifications

<b>Insertion Loss, typical</b>	0.05 dB
<b>Average Power at Frequency</b>	3.5 kW @ 900 MHz
<b>Cable Impedance</b>	50 ohm
<b>Connector Impedance</b>	50 ohm
<b>dc Test Voltage</b>	6 kV
<b>Insulation Resistance, minimum</b>	5000 MOhm
<b>Operating Frequency Band</b>	0 – 5200 MHz
<b>Peak Power, maximum</b>	90 kW
<b>RF Operating Voltage, maximum (vrms)</b>	2121 V

## VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–2200 MHz	1.04	36

## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +150 °C (-40 °F to +302 °F)
<b>Storage Temperature</b>	-70 °C to +100 °C (-94 °F to +212 °F)

## Packaging and Weights

<b>Weight, net</b>	0.63 kg   1.389 lb
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## Regulatory Compliance/Certifications

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



## \* Footnotes

<b>Insertion Loss, typical</b>	0.05v̄freq (GHz) (not applicable for elliptical waveguide)
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