



1-5/8 in EIA Male Flange without gas barrier for 2-1/4 in HJ12-50 air dielectric cable

**OBSOLETE**

## 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>	HJ12-50
<b>Gas Barrier</b>	No
<b>Inner Contact Attachment Method</b>	Thread-in stub
<b>Inner Contact Plating</b>	Unplated
<b>Interface</b>	1-5/8 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>	116.586 mm   4.59 in
<b>Diameter</b>	88.9 mm   3.5 in
<b>Nominal Size</b>	2-1/4 in

## Electrical Specifications

<b>Insertion Loss, typical</b>	0.05 dB
<b>Average Power at Frequency</b>	4.9 kW @ 900 MHz

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<b>Cable Impedance</b>	50 ohm
<b>Connector Impedance</b>	50 ohm
<b>dc Test Voltage</b>	11 kV
<b>Insulation Resistance, minimum</b>	5000 MOhm
<b>Operating Frequency Band</b>	0 – 2300 MHz
<b>Peak Power, maximum</b>	300 kW
<b>RF Operating Voltage, maximum (vrms)</b>	3880 V

## VSWR/Return Loss

<b>Frequency Band</b>	<b>VSWR</b>	<b>Return Loss (dB)</b>
<b>0–1000 MHz</b>	1.06	32
<b>1000–2000 MHz</b>	1.23	20

## 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>	4.66 kg   10.274 lb
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## Regulatory Compliance/Certifications

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



## \* Footnotes

<b>Insertion Loss, typical</b>	0.05v <sup>-</sup> freq (GHz) (not applicable for elliptical waveguide)
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