

# 75AM

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



## OBSOLETE

This product was discontinued on: June 30, 2012

## 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>	LC Male
<b>Mounting Angle</b>	Straight
<b>Outer Contact Attachment Method</b>	Tab-flare
<b>Outer Contact Plating</b>	Unplated

## Dimensions

<b>Length</b>	109.22 mm   4.3 in
<b>Diameter</b>	35.814 mm   1.41 in
<b>Nominal Size</b>	7/8 in

## Electrical Specifications

<b>Insertion Loss, typical</b>	0.05 dB
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<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>	5 kV
<b>Insulation Resistance, minimum</b>	5000 MOhm
<b>Operating Frequency Band</b>	0 – 2620 MHz
<b>Peak Power, maximum</b>	63 kW
<b>RF Operating Voltage, maximum (vrms)</b>	1768 V

## VSWR/Return Loss

<b>Frequency Band</b>	<b>VSWR</b>	<b>Return Loss (dB)</b>
<b>45–560 MHz</b>	1.1	27
<b>560–2620 MHz</b>	1.11	26
<b>2620–3140 MHz</b>	1.14	24
<b>3140–5200 MHz</b>	1.29	18

## 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)
<b>Corrosion Test Method</b>	MIL-STD-202, Method 101, Test Condition B
<b>Vibration Test Method</b>	MIL-STD-202, Method 204, Test Condition B

## Packaging and Weights

<b>Weight, net</b>	0.48 kg   1.058 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>	0.05v̄freq (GHz) (not applicable for elliptical waveguide)
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