H7PDF-S 苏州启道 - 康普安德鲁HELIAX中国区独家授权总代理



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Connector Impedance

7-16 DIN Female with gas barrier for 1-5/8 in HJ7-50A air dielectric cable

Product Classification	
Product Type	Air coaxial connector
Product Brand	HELIAX®
General Specifications	
Body Style	Straight
Cable Family	HJ7-50A
Gas Barrier	Yes
Inner Contact Attachment Method	Thread-in stub
Inner Contact Plating	Silver
Interface	7-16 DIN Female
Mounting Angle	Straight
Outer Contact Attachment Method	Tab-flare
Outer Contact Plating	Silver
Dimensions	
Length	109.982 mm 4.33 in
Diameter	71.882 mm 2.83 in
Nominal Size	1-5/8 in
Electrical Specifications	
Insertion Loss, typical	0.05 dB
Average Power at Frequency	3.0 kW @ 900 MHz
Cable Impedance	50 ohm

Page 1 of 2

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50 ohm



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dc Test Voltage	4 kV
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 2700 MHz
Peak Power, maximum	40 kW
RF Operating Voltage, maximum (vrms)	1415 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
50–1000 MHz	1.02	40.09
1000–2200 MHz	1.04	34.16
2200–2700 MHz	1.6	12.74

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

1.2 kg | 2.646 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
9001.2015	

* Footnotes

Insertion Loss, typical

s, typical 0.05v⁻freq (GHz) (not applicable for elliptical waveguide)

Page 2 of 2

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