H5PNF-S



Type N Female with gas barrier for 7/8 in HJ5-50 air dielectric cable

Product Classification

Product Type Air coaxial connector

Product Brand HELIAX®

General Specifications

Body Style Straight

Cable Family HJ5-50

Gas Barrier Yes

Inner Contact Attachment Method Self-tapping

Inner Contact Plating Silver

InterfaceN FemaleMounting AngleStraightOuter Contact Attachment MethodTab-flareOuter Contact PlatingSilver

Dimensions

 Length
 72.898 mm | 2.87 in

 Diameter
 41.402 mm | 1.63 in

Nominal Size 7/8 in

Electrical Specifications

Insertion Loss, typical 0.05 dB

Average Power at Frequency 0.6 kW @ 900 MHz

Cable Impedance50 ohmConnector Impedance50 ohm



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dc Test Voltage 2 kV

Insulation Resistance, minimum 5000 MOhm

Operating Frequency Band 0 - 5200 MHz

Peak Power, maximum 10 kW RF Operating Voltage, maximum (vrms) 707 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0-1000 MHz	1.02	40.09
1-2200 MHz	1.03	36.61
2200-4000 MHz	1.08	28.3
4000-5200 MHz	1.15	23.13

Mechanical Specifications

Mechanical Shock Test Method MIL-STD-202, Method 213, Test Condition I

Environmental Specifications

Operating Temperature $-40 \,^{\circ}\text{C}$ to $+85 \,^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to $+185 \,^{\circ}\text{F}$)

Storage Temperature $-70 \,^{\circ}\text{C}$ to $+85 \,^{\circ}\text{C}$ (-94 $^{\circ}\text{F}$ to $+185 \,^{\circ}\text{F}$)

Corrosion Test Method MIL-STD-202, Method 101, Test Condition B

Moisture Resistance Test Method MIL-STD-202, Method 106

Thermal Shock Test Method MIL-STD-202, Method 107, Test Condition A-1, Low Temperature -55 °C

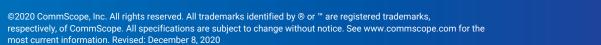
Vibration Test Method MIL-STD-202, Method 204, Test Condition B

Packaging and Weights

Weight, net 0.35 kg | 0.772 lb

Regulatory Compliance/Certifications

Classification
Below maximum concentration value
Designed, manufactured and/or distributed under this quality management system
Compliant as per SVHC revision on www.commscope.com/ProductCompliance
Compliant





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* Footnotes

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

