

H5NF-T

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



OBSOLETE

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
Interface	N Female
Mounting Angle	Straight
Outer Contact Attachment Method	Tab-flare
Outer Contact Plating	Unplated

Dimensions

Length	208.026 mm 8.19 in
Diameter	35.814 mm 1.41 in
Nominal Size	7/8 in

Electrical Specifications

Insertion Loss, typical	0.05 dB
Average Power at Frequency	0.6 kW @ 900 MHz

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Cable Impedance	50 ohm
Connector Impedance	50 ohm
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)
1700–2300 MHz	1.119	25.01
2300–2700 MHz	1.119	25.01

Environmental Specifications

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

Packaging and Weights

Weight, net	0.93 kg 2.05 lb
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* Footnotes

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