

## H5NM-T

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

### **OBSOLETE**

This product was discontinued on: April 1, 2014

## General Specifications

Interface	N Male
Body Style	Straight
Brand	HELIAX®
Gas Barrier	Yes
Mounting Angle	Straight

## Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 5200 MHz
Cable Impedance	50 ohm
RF Operating Voltage, maximum (vrms)	707.00 V
dc Test Voltage	2 kV
Insulation Resistance, minimum	5000 MOhm
Average Power	0.6 kW @ 900 MHz
Peak Power, maximum	10.00 kW
Insertion Loss, typical	0.05 dB

## Mechanical Specifications

Outer Contact Attachment Method	Tab-flare
Inner Contact Attachment Method	Self-tapping
Outer Contact Plating	Unplated
Interface Durability	500 cycles
Interface Durability Method	MIL-C-39012, Section 4.6.12

## Dimensions

Nominal Size	7/8 in
Diameter	35.71 mm   1.41 in
Length	215.49 mm   8.48 in
Weight	0.93 kg   2.06 lb

## 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)
Moisture Resistance Test Method	MIL-STD-202, Method 106
Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition I
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

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Corrosion Test Method

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

## Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
824–960 MHz	1.02	40.00
1710–1880 MHz	1.02	39.00
1850–1990 MHz	1.02	39.00
1910–2200 MHz	1.03	37.50
2200–2700 MHz	1.06	30.20

## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

### \* Footnotes

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