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UPL-NF-78 DATA SHEET

N Female Connector
for 7/8" Plenum Cable



Mechanical	Specification	Comment
Pull Force Combined	> 350 lbs 1.56 kN	Cable limited
Cable/Connector Torque	16 ft-lbs 21.7 N-m	Cable limited
Interface Durability	500 Cycles	

Electrical	Specification	Comment
Frequency Range	DC to 5 GHz	
Impedance	50Ω Nominal	
Average Return Loss (VSWR) DTF	> -40dB (1.02) 0-1 GHz, > -36dB (1.03) 1-2 GHz, > -32dB (1.05) 2-4 GHz, -28dB (1.08) 4-5 GHz	As per Anatel 75
Insertion Loss	< .1√F(GHz)	
3rd Order IMD	-153 dBc minimum, -160 dBc typical	As per IEC 62037-2, -3
Voltage Withstand	> 2.5 kV	
Shielding Effectiveness	< -120dB	0-1 GHz
Insulation Resistance	5GΩ initial, 200MΩ after conditioning	

Environmental	Specification	Comment
Operating Temperature/ Storage Temperature	-55°C to +85°C / -55°C to +85°C	
Interface Moisture	No leakage, mated or unmated > 1.0 Bar	
Moisture Ingress	No leakage	ANSI/SCTE60 2004, IP-67, IP-68, IEC 60529
Corrosion Resistance	1000 Hours	
H.A.L.T.	40 Hours	

General	Specification	Comment
Cable Supported	Andrew HJ5-50, HJ5RP-50, HJ5RPV-50, RFS HCA78-50J, -50JB, -50JFN, -50JPL, -50JT	
Weight	0.521 lbs. 236.3g	
Weather Protection	N/A	
Length	2.810" 71.4mm	
Outer Diameter	1.490" 26.4mm	
Hex Width	.75" 19mm	

Tools	Specification	Comment
Cable Preparation	SP-78PL	
Connector Compression	HCG-FRAMESET-78, HCG-CC	
Torque Wrench	Adjustable Wrench	



revA
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