UPL-4F-78



UPL-4F-78 DATA SHEET

4.3–10 Female Connector for 7/8” Plenum Cables

Mechanical	Specification	Comment
Pull Force Combined	> 350 lbs | 1.56 kN	Cable limited
Cable/Connector Torque	16 ft-lbs | 21.69 N-m	Cable limited
Interface Durability	50 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) 4–6 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	> 3.0 kV	
Shielding Effectiveness	< –120dB	0–1 GHz
Insulation Resistance	10GΩ initial, 100MΩ 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	.568 lbs | 257.6 g	
WPS Weather Protection	WPS-5, WPS-78P	
Length	3.330 in | 84.6 mm , 2.810 in | 71.4 mm	
Outer Diameter	1.490 in | 37.8 mm	
Hex Width	1.250 in | 31.8 mm	

Tools	Specification	Comment
Cable Preparation	SP-78PL	
Connector Compression	HCG-FRAMESET-7/8, HCG-CC	
Torque Wrench	Adjustable Wrench	

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