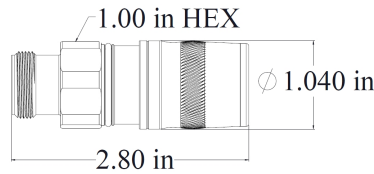


UPL-MDF-12T

4.1-9.5 Mini DIN Female Connector for 1/2" Trilogy Plenum Cable



[Installation video](#)



[Installation instructions](#)



Contact technical support:

1-888-201-6073

techsupport@jmawireless.com

General	Specification	
Interface/gender	4.1-9.5 Female	
Cables supported ¹	Trilogy AP6012J50, APC012J50, AC012R50, AC012J50, AP012U50, ACC012J50, ACC012R50	
Weight	116 g 0.256 lb	
JMA Weather Protection System	N/A	
Tools required	JMA part number	Comment
Cable preparation	SP-12PL	Bit PL; marking guide included with connector
Connector compression	HCG-FRAMESET-1/2, HCG-CC	Insert C
Hex width	25 mm 1 in.	
Frequency band	VSWR	Return loss (dB)
555–1000 MHz	1.02	40
1000–2700 MHz	1.03	36
2700–3800 MHz	1.05	32
3800–6000 MHz	1.08	28
Electrical	Specification	Comment
Connector impedance	50 ohm	
Operating frequency band	DC–6 GHz	
3rd order IMD dynamic, (PIM)	-161 dBc, typical	IEC 60237-02
DC test voltage	2500 V	
Center contact resistance	≤ 1.0 milliohm	
Outer contact continuity	1.0 milliohm max.	
Average power	600 W @ 900 MHz	
Peak power, max.	15 kW	
Insertion loss, typical	0.05 dB	Per connector
Shielding effectiveness	< -120 dB	@ 0-1 GHz
Mechanical	Specification	Comment
Pull force combined	.89 kN > 200 lb	Cable limited
Cable retention torque	6.7 N·m 5 lbf·ft	Cable limited
Interface durability	50 cycles	IEC 61169-4:9.5
Environmental	Specification	Test
Operating temperature	-55 °C to +85 °C (-67 °F to 185 °F)	
Storage temperature	-55 °C to +85 °C (-67 °F to 185 °F)	
Accelerated UV	1000 hr	ASTM G154
Immersion test method	Mated & unmated, IP68	IEC 60529:2001 & ANSI/SCTE 60
Water jetting test method	Mated & unmated, IP66	IEC 60529:2001
Mechanical shock test method	Pass	IEC 60068-2-27
Thermal shock test method	Pass	IEC 60068-2-14
Vibration test method	100 m/s ² , 2 Hz to 200 Hz	IEC 61169-1:2003
Corrosion test method	1000 hr	IEC 60068-2-11

¹For cable types not listed, please contact JMA Technical Support.

03/09/21