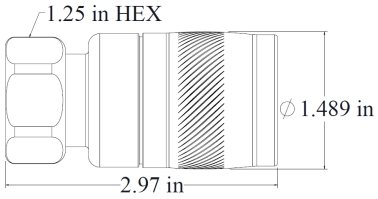
UPL-DM-78

7-16 DIN Male Connector for 7/8" Plenum Cable





Installation video

Installation instructions

Contact technical support:
1-888-201-6073
techsupport@jmawireless.com

General	Specification
Interface/gender	7-16 Male
Cables supported[1]	Andrew HJ5, HJ5RP, HJ5RPV; RFS HCA78
Weight	285 g | 0.629 lb
JMA Weather Protection System	N/A

Tools required	JMA part number	Comment
Cable preparation	SP-78PL	No coring required
Connector compression	HCG-FRAMESET-78, HCG-CC	
Torque wrench	TQ-114-F18	24.4 N·m | 18 lbf·ft

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	4000 V	
Center contact resistance	≤ 0.4 milliohm	
Outer contact continuity	1.5 milliohm max.	
Average power	3000 W @ 900 MHz	
Peak power, max.	40 kW	
Insertion loss, typical	0.05 dB	Per connector
Shielding effectiveness	< -120 dB	@ 0-1 GHz

Mechanical	Specification	Comment
Pull force combined	1.56 kN | > 350 lb	Cable limited
Cable retention torque	21.7 N·m | 16 lbf·ft	Cable limited
Interface durability	500 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

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

02/13/20

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