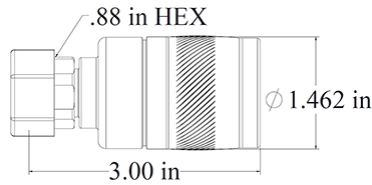




UXP-MDM-78FX

4.1-9.5 Mini DIN Male Connector for 7/8" Annular AVA5-50FX Cable



[Installation video](#)

[Installation instructions](#)

Contact technical support:

1-888-201-6073

techsupport@jmawireless.com

General		Specification	
Interface/gender	4.1-9.5 Mini DIN Male		
Cables supported ¹	Manufacturer	P/N	
	CommScope	AVA5-50FX AVA5RK-50FX	
Weight	0.619 lb 280.2 g		
JMA Weather Protection System	N/A		
Tools required	JMA part number	Comment	
Cable preparation	SP-78FX	No coring required	
Connector compression	HCG-FRAMESET-7/8, HCG-CC		
Torque wrench	TQ-78-F8	8 lbf-ft 10.85 N·m	
Frequency band	VSWR	Return loss (dB)	
DC-1000 MHz	1.02	40	
1000-2000 MHz	1.03	36	
2000-4000 MHz	1.05	32	
4000-6000 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 62037-2, -3	
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	< -130 dB	@ 0-1 GHz	
Mechanical	Specification	Comment	
Pull force combined	1.56 kN > 350 lb	Cable limited	
Cable retention torque	21.69 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	

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

11/15/23