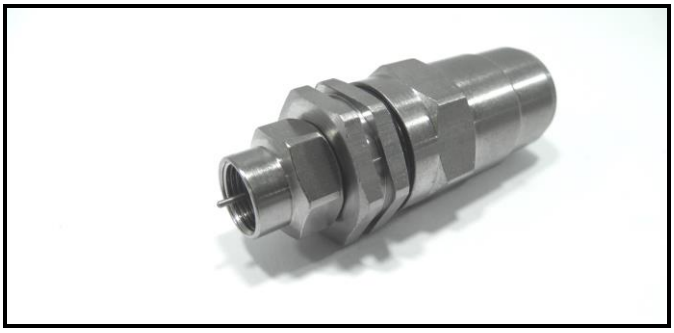
Item Number:
D015-FM

Praesto, September 15, 2022 – Rev. 01



Description: Hardline Connector, D015 – F male
(Measured with Bedea Telass 2.2/8.8 Cable)

DATA SHEET

Electrical

	Specification			Standard
Frequency Range	**5 MHz – 3.000 MHz**			
Impedance	**75 Ω nominal**			
	Better Than	**Measured** – Worst case of 5 measurements		
Return Loss of assembly	-33 dB -29 dB -28 dB -24 dB -19 dB -11 dB N/A	-36,2 dB -32,4 dB -31,9 dB -27,6 dB -22,8 dB -14,2 dB -35,4 dB	5 MHz – 500 MHz 500 MHz – 860 MHz 860 MHz – 1.000 MHz 1.000 MHz – 1.750 MHz 1.750 MHz – 2.150 MHz 2.150 MHz – 3.000 MHz 1218 MHz	IEC 61169-1
Return Loss Gated of D015-FM	-40 dB -36 dB -35 dB -30 dB -26 dB -19 dB N/A	-43,1 dB -39,4 dB -38,4 dB -33,6 dB -29,4 dB -22,3 dB -37,3 dB	5 MHz – 500 MHz 500 MHz – 860 MHz 860 MHz – 1.000 MHz 1.000 MHz – 1.750 MHz 1.750 MHz – 2.150 MHz 2.150 MHz – 3.000 MHz 1218 MHz	IEC 61169-1
Shielding Effectiveness of assembly (Measured with CoMeT)	Transfer Impedance @ 5 – 30 MHz Screening Attenuation @ 30 – 1.000 MHz Screening Attenuation @ 1.000 – 2.000 MHz Screening Attenuation @ 2.000 – 3.000 MHz Class: A++		≤ 0,12 mΩ/m ≥ -119,9 dB ≥ -118,6 dB ≥ -112,5 dB	IEC 62153-4-3 IEC 62153-4-4 IEC 62153-4-4 IEC 62153-4-4 EN 50117
Common Path Distortion	≤ -110 dBc			ANSI/SCTE 109 2005
Amp. Rating	≤ 4 A.			
Dielectric Strength	≥ 3 KV.			IEC 61169-1
Insulation Resistance	≥ 29.99 GΩ @ 500 V.			IEC 61169-1

Environmental

	Specification	Standard
Temperature range Operating	-40°C to +85°C	
Temperature range Installation	-5°C to +50°C	
Sealing Test	IPX8 – 1 meter / 24 hours	IEC 60529
Corrosion Protection		ASTM B 117-94

Mechanical

	Specification	Standard
Interface	F male	IEC 61169-24
Cable Retention	≥ 100 kgf	ANSI/SCTE 99

Material and Finish

	Specification	Standard
Housing	NiSn (NITIN) plated Brass	ASTM B605
Inner conductor	NiSn (NITIN) plated Brass	ASTM B605
O'ring	EPDM	
Insulator	Polycarbonate/Polyethylene	

In order to continue to supply the best products, PPC reserves the right to change the products and specifications at any time without prior notice.

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Measurement setup:

TA-NM-FF - D015-FM – Cable – D015-FM – TA-NM-FF

All measurements are done with Bedea Telass 2.2/8.8 cable, length 0,8 meter.

All results are the worst case result of measurement of 5 assemblies.

All tests are performed using instruments calibrated in accordance to our ISO 9001 certification.

Return Loss, Insertion Loss and Shielding are measured with Rohde & Schwarz ZNB8 Network Analyzer, according to IEC standards.

CPD (Common Path Distortion) are measured with Rohde & Schwarz FPC1000 Spectrum Analyzer, according to SCTE standard.

In case of over current (≥ 4 A.) there is a risk for high temperature inside the connector, which can cause damage of the insulator, and / or the cable.

Further test reports, technical specifications and installation instructions can be obtained on request.

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