



Description: Hardline Connector H073-IEC Male.
(Measured with DRAKA Coax 3 Bamboe Cable)

DATA SHEET

Electrical

	Specification			Standard
Frequency Range	5 MHz – 3.000 MHz			
Impedance	75 Ω nominal			
	Better Than	Typical		
Return Loss	-24 dB -22 dB -25 dB -20 dB	-27.9 dB -25.9 dB -28.0 dB -23.3 dB	5 MHz – 500 MHz 500 MHz – 860 MHz 860 MHz – 1.000 MHz 1.000 MHz – 1.750 MHz	IEC 61169-1, 9.2.1.4
Gated Return Loss	-26 dB -26 dB -28 dB -27 dB	-29.9 dB -29.5 dB -31.0 dB -30.5 dB	5 MHz – 500 MHz 500 MHz – 860 MHz 860 MHz – 1.000 MHz 1.000 MHz – 1.750 MHz	IEC 61169-1, 9.2.1.4
Insertion Loss	-0.05 dB -0.06 dB -0.06 dB -0.08 dB	-0.02 dB -0.03 dB -0.03 dB -0.05 dB	5 MHz – 500 MHz 500 MHz – 860 MHz 860 MHz – 1.000 MHz 1.000 MHz – 1.750 MHz	
Shielding Effectiveness of assembly (Measured with CoMeT)	Transfer Impedance @ 5 – 30 MHz ≤ 0.8 mΩ/item Screening Attenuation @ 30 – 1.000 MHz ≥ 102.2 dB Screening Attenuation @ 1.000 – 2.000 MHz ≥ 90.8 dB Screening Attenuation @ 2.000 – 3.000 MHz ≥ 82.7 dB Class: A+			IEC 62153-4-3 IEC 62153-4-4 IEC 62153-4-4 IEC 62153-4-4 EN 50117
Shielding Effectiveness of connector	Class: A++			EN 50117
Common Path Distortion	≤ -110 dBc			ANSI/SCTE 109 2005
Inner Conductor Resistance	≤ 0.8 mΩ @ 1 A DC.			IEC 61169-1, 9.2.3
Amp. Rating	≤ 15 A.			
Dielectric Strength	≥ 3 KV.			IEC 61169-1, 9.2.1.6
Insulation Resistance	≥ 29.99 GΩ @ 500 V.			IEC 61169-1, 9.2.1.5

Environmental

	Specification	Standard
Temperature range Operating	-40°C to +60°C	
Temperature range Installation	-5°C to +50°C	
Sealing Test	IPX8 – 1 meter / 24 hours	IEC 60529
Corrosion Protection		ASTM B 117-94
Red Dye		ANSI/SCTE 60

Mechanical

	Specification	Standard
Interface	IEC	IEC 61169-2
Pull Strength	≥ 180 kgf	ANSI/SCTE 99

Material and Finish

	Specification	Standard
Housing	NiSn (NITIN) plated Brass	ASTM B605
Inner conductor	NiSn (NITIN) plated Brass	ASTM B605
Compression ring	NiSn (NITIN) plated Brass	
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.