



Description: Adaptor, 5/8 male with easy swivel – 5/8 female.

## DATA SHEET

### Electrical

	Specification			Standard
<b>Frequency Range</b>	5 MHz – 3.000 MHz			
<b>Impedance</b>	75 Ω nominal			
	<b>Better Than</b>	<b>Measured</b> – Worst case of 5 measurements		
<b>Return Loss</b>	30 dB	≥ 33.8 dB	5 MHz – 500 MHz	IEC 61169-1
	28 dB	≥ 31.9 dB	500 MHz – 860 MHz	
	27 dB	≥ 30.8 dB	860 MHz – 1.000 MHz	
	20 dB	≥ 23.5 dB	1.000 MHz – 1.750 MHz	
	19 dB	≥ 22.3 dB	1.750 MHz – 2.150 MHz	
	16 dB	≥ 19.8 dB	2.150 MHz – 3.000 MHz	
<b>Insertion Loss</b>	0.13 dB	≤ 0.1 dB	5 MHz – 3.000 MHz	
<b>Shielding Effectiveness (Measured with CoMeT)</b>	Transfer Impedance @ 5 – 30 MHz		≤ 0.50 mΩ/item	IEC 62153-4-3
	Screening Attenuation @ 30 – 1.000 MHz		≥ 112.0 dB	IEC 62153-4-4
	Screening Attenuation @ 1.000 – 2.000 MHz		≥ 114.9 dB	IEC 62153-4-4
	Screening Attenuation @ 2.000 – 3.000 MHz		≥ 115.1 dB	IEC 62153-4-4
	Class: A++			EN 50117
<b>Common Path Distortion</b>	≤ -110 dBc			ANSI/SCTE 109 2005
<b>Inner Conductor Resistance</b>	≤ 1.5 mΩ @ 1 A DC.			IEC 61169-1
<b>Amp. Rating</b>	≤ 15 A @ 60 V.			
<b>Dielectric Strength</b>	≥ 3 kV.			IEC 61169-1
<b>Insulation Resistance</b>	≥ 29.99 GΩ @ 500 V.			IEC 61169-1

### Environmental

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

### Mechanical

	Specification	Standard
<b>Interface</b>	5/8 male 5/8 female	ANSI/SCTE 92 ANSI/SCTE 91

### Material and Finish

	Specification	Standard
<b>Housing</b>	NiSn (NITIN) plated Brass	ASTM B605
<b>Inner conductor</b>	NiSn (NITIN) plated Tinbronze	ASTM B605
<b>O'ring</b>	EPDM	
<b>Insulator</b>	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:**

Nm-58f – **DUT** – 58m-58m, Nm-58f.

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

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 hp Spectrum Analyzer hp 8591E, according to SCTE standard.

In case of over current ( $\geq 15$  A.) there is a risk for high temperature inside the adaptor, which can cause damage of the insulator.

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

