



Description: Adaptor, 5/8 female – 5/8 female.

## DATA SHEET

### Electrical

	Specification			Standard
Frequency Range	5 MHz – 3.000 MHz			
Impedance	75 $\Omega$ nominal			
	Better Than	Measured – Worst case of 5 measurements		
Return Loss - Gated	31 dB	$\geq 34.6$ dB	5 MHz – 500 MHz	IEC 61169-1
	29 dB	$\geq 32.7$ dB	500 MHz – 860 MHz	
	29 dB	$\geq 32.6$ dB	860 MHz – 1.000 MHz	
	29 dB	$\geq 32.6$ dB	1.000 MHz – 1.750 MHz	
	29 dB	$\geq 37.3$ dB	1.750 MHz – 2.150 MHz	
	29 dB	$\geq 36.2$ dB	2.150 MHz – 3.000 MHz	
Insertion Loss	0.13 dB	$\leq 0.10$ dB	5 MHz – 3.000 MHz	
Shielding Effectiveness (Measured with CoMeT)	Transfer Impedance @ 5 – 30 MHz		$\leq 0.53$ m $\Omega$ /item	IEC 62153-4-3
	Screening Attenuation @ 30 – 1.000 MHz		$\geq 111.6$ dB	IEC 62153-4-4
	Screening Attenuation @ 1.000 – 2.000 MHz		$\geq 114.1$ dB	IEC 62153-4-4
	Screening Attenuation @ 2.000 – 3.000 MHz		$\geq 113.8$ dB	IEC 62153-4-4
Common Path Distortion	$\leq -110$ dBc		EN 50117	
Amp. Rating	$\leq 15$ A @ 60 V.			ANSI/SCTE 109 2005
Dielectric Strength	$\geq 3$ kV.			IEC 61169-1
Insulation Resistance	$\geq 29.99$ G $\Omega$ @ 500 V.			IEC 61169-1

### 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
Red Dye		ANSI/SCTE 60
Corrosion Protection		ASTM B 117-94

### Mechanical

	Specification	Standard
Interface	5/8 female	ANSI/SCTE 91

### Material and Finish

	Specification	Standard
Housing	NiSn (NITIN) plated Brass	ASTM B605
Inner conductor	NiSn (NITIN) plated Brass	ASTM B605
Insulator	Polycarbonate/PEHD	

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.

### **Measurement setup:**

Nm-58f, 58m-58m - **58f-58f** - 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.

