



Description: Angle Adaptor 5/8 male with 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 - Worst case of 5 measurements</b>	
<b>Return Loss</b>	44 dB 36 dB 31 dB 13 dB	≥ 47.6 dB ≥ 39.2 dB ≥ 34.2 dB ≥ 16,4 dB	5 MHz – 500 MHz 500 MHz – 860 MHz 860 MHz – 1.000 MHz 1.000 MHz – 1.750 MHz
<b>Insertion Loss</b>	0.07 dB 0.09 dB 0.10 dB 0.27 dB	≤ 0.04 dB ≤ 0.06 dB ≤ 0.07 dB ≤ 0.24 dB	5 MHz – 500 MHz 500 MHz – 860 MHz 860 MHz – 1.000 MHz 1.000 MHz – 1.750 MHz
<b>Shielding Effectiveness (Measured with CoMeT)</b>	Transfer Impedance @ 5 – 30 MHz ≤ 0.73 mΩ/item Screening Attenuation @ 30 – 1.000 MHz ≥ 101.9 dB Screening Attenuation @ 1.000 – 2.000 MHz ≥ 91.2 dB Screening Attenuation @ 2.000 – 3.000 MHz ≥ 88.2 dB Class: A+		IEC 62153-4-3 IEC 62153-4-4 IEC 62153-4-4 IEC 62153-4-4 EN 50117
<b>Common Path Distortion</b>	≤ -110 dBc		ANSI/SCTE 109 2005
<b>Inner Conductor Resistance</b>	≤ 2.5 mΩ @ 1 A DC.		IEC 61169-1, 9.2.3
<b>Amp. Rating</b>	≥ 15 A @ 60 V.		
<b>Dielectric Strength</b>	≥ 3 KV.		IEC 61169-1, 9.2.1.6
<b>Insulation Resistance</b>	≥ 29.99 GΩ @ 500 V.		IEC 61169-1, 9.2.1.5

### Environmental

	Specification	Standard
<b>Temperature range Operating</b>	-40°C to +85°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>	KSM (5/8 male) KSF (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 Brass	ASTM B605
<b>O'ring</b>	EPDM	
<b>Insulator</b>	Polycarbonate	

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 – **A90-58MS58F** – 58M58M – NM-58F.

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

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

Return Loss, Insertion Loss and Shielding are measured with hp Network Analyzer hp 8753D and S-Parameter Test Set 85047A, according to IEC standards.

CPD (Common Path Distortion) are measured with hp Spectrum Analyzer hp 8591E, according to ANSI/SCTE standard.

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

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

