



Description: Angle Adaptor 5/8 male with Swivel – 5/8 female.

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	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 IEC 61169-1, 9.2.1.4
Insertion Loss	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
Shielding Effectiveness (Measured with CoMeT)	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
Common Path Distortion	≤ -110 dBc		ANSI/SCTE 109 2005
Inner Conductor Resistance	≤ 2.5 mΩ @ 1 A DC.		IEC 61169-1, 9.2.3
Amp. Rating	≥ 15 A @ 60 V.		
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 +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	KSM (5/8 male) KSF (5/8 female)	ANSI/SCTE 92 ANSI/SCTE 91

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	

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 (≥ 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.

