



Description: Test Point Adaptor, PG11 male w. Swivel – 5/8 female - Test Point F 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	30 dB	≥ 34.1 dB	5 MHz – 500 MHz	IEC 61169-1
	30 dB	≥ 33.7 dB	500 MHz – 860 MHz	
	27 dB	≥ 30.6 dB	860 MHz – 1000 MHz	
	23 dB	≥ 26.0 dB	1000 MHz – 1750 MHz	
	23 dB	≥ 26.2 dB	1750 MHz – 2150 MHz	
Insertion Loss From PG11 male to 5/8 female	23 dB	≥ 27.1 dB	2150 MHz – 3000 MHz	
	0.50 dB	≤ 0.47 dB	5 MHz – 500 MHz	
	0.52 dB	≤ 0.49 dB	500 MHz – 860 MHz	
	0.54 dB	≤ 0.51 dB	860 MHz – 1000 MHz	
	0.62 dB	≤ 0.59 dB	1000 MHz – 1750 MHz	
0.66 dB	≤ 0.63 dB	1750 MHz – 2150 MHz		
Insertion Loss From PG11 male to Test Point	0.86 dB	≤ 0.83 dB	2150 MHz – 3000 MHz	
	20 dB ±2.0 dB	≤ 21.6 dB	5 MHz – 1000 MHz	
Shielding Effectiveness (Measured with CoMeT)	20 dB ± 2.5 dB	≤ 22.2 dB	1000 MHz – 3000 MHz	
	Transfer Impedance @ 5 – 30 MHz ≤ 0.60 mΩ/item			IEC 62153-4-3
	Screening Attenuation @ 30 – 1000 MHz ≥ 110.7 dB			IEC 62153-4-4
	Screening Attenuation @ 1000 – 2000 MHz ≥ 105.4 dB			IEC 62153-4-4
Common Path Distortion	Screening Attenuation @ 2000 – 3000 MHz ≥ 102.5 dB			IEC 62153-4-4
	Class: A++			EN 50117
Inner Conductor Resistance	≤ -110 dBc			ANSI/SCTE 109 2005
Amp. Rating	≤ 2.0 mΩ @ 1 A DC.			IEC 61169-1
Dielectric Strength	≤ 15 A @ 60 V.			
Insulation Resistance	≥ 0.4 KV.			IEC 61169-1
	≥ 29.99 MΩ @ 500 V.			IEC 61169-1

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

### Mechanical

	Specification	Standard
Interface	5/8 male (KSM) 5/8 female (KSF) F	ANSI/SCTE 92 ANSI/SCTE 91 IEC 61169-24

### Material and Finish

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

### **Measurement setup:**

Nm-58f, 58m-PG11f, **TPAPG11MS58F-FF**, 58m-58m, Nm-58f.

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

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 connector, which can cause damage of the insulator.

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

