



Description: Adaptor, 5/8 female – 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 - Gated                              | 31 dB                                     | ≥ 34.6 dB                               | 5 MHz – 500 MHz       | IEC 61169-1        |
|  | 29 dB                                     | ≥ 32.7 dB                               | 500 MHz – 860 MHz     |                    |
|  | 29 dB                                     | ≥ 32.6 dB                               | 860 MHz – 1.000 MHz   |                    |
|  | 29 dB                                     | ≥ 32.6 dB                               | 1.000 MHz – 1.750 MHz |                    |
|  | 29 dB                                     | ≥ 37.3 dB                               | 1.750 MHz – 2.150 MHz |                    |
|  | 29 dB                                     | ≥ 36.2 dB                               | 2.150 MHz – 3.000 MHz |                    |
| Insertion Loss                                   | 0.13 dB                                   | ≤ 0.10 dB                               | 5 MHz – 3.000 MHz     |                    |
| Shielding Effectiveness<br>(Measured with CoMeT) | Transfer Impedance @ 5 – 30 MHz           |   | ≤ 0.53 mΩ/item        | IEC 62153-4-3      |
|  | Screening Attenuation @ 30 – 1.000 MHz    |   | ≥ 111.6 dB            | IEC 62153-4-4      |
|  | Screening Attenuation @ 1.000 – 2.000 MHz |   | ≥ 114.1 dB            | IEC 62153-4-4      |
|  | Screening Attenuation @ 2.000 – 3.000 MHz |   | ≥ 113.8 dB            | IEC 62153-4-4      |
| Common Path Distortion                           | Class: A++                                |   | EN 50117              |                    |
| Common Path Distortion                           | ≤ -110 dBc                                |   |                       | ANSI/SCTE 109 2005 |
| Amp. Rating                                      | ≤ 15 A @ 60 V.                            |   |                       |                    |
| Dielectric Strength                              | ≥ 3 kV.                                   |   |                       | IEC 61169-1        |
| Insulation Resistance                            | ≥ 29.99 GΩ @ 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.

