



Description: Adaptor, 5/8 female Push On – F 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                                      | 34 dB<br>34 dB<br>30 dB<br>19 dB<br>15 dB<br>12 dB  | $\geq$ 37.3 dB<br>$\geq$ 41.3 dB<br>$\geq$ 33.6 dB<br>$\geq$ 22.4 dB<br>$\geq$ 18.4 dB<br>$\geq$ 15.9 dB | 5 MHz – 500 MHz<br>500 MHz – 860 MHz<br>860 MHz – 1.000 MHz<br>1.000 MHz – 1.750 MHz<br>1.750 MHz – 2.150 MHz<br>2.150 MHz – 3.000 MHz<br>IEC 61169-1 |
| Insertion Loss                                   | 0.10 dB<br>0.11 dB<br>0.11 dB<br>0.14 dB<br>0.17 dB<br>0.25 dB  | $\leq$ 0.07 dB<br>$\leq$ 0.08 dB<br>$\leq$ 0.08 dB<br>$\leq$ 0.11 dB<br>$\leq$ 0.14 dB<br>$\leq$ 0.22 dB | 5 MHz – 500 MHz<br>500 MHz – 860 MHz<br>860 MHz – 1.000 MHz<br>1.000 MHz – 1.750 MHz<br>1.750 MHz – 2.150 MHz<br>2.150 MHz – 3.000 MHz                |
| Shielding Effectiveness<br>(Measured with CoMeT) | Transfer Impedance @ 5 – 30 MHz $\leq$ 1.04 m $\Omega$ /item<br>Screening Attenuation @ 30 – 1.000 MHz $\geq$ 87.4 dB<br>Screening Attenuation @ 1.000 – 2.000 MHz $\geq$ 79.4 dB<br>Screening Attenuation @ 2.000 – 3.000 MHz $\geq$ 72.6 dB<br>Class: A |  | IEC 62153-4-3<br>IEC 62153-4-4<br>IEC 62153-4-4<br>IEC 62153-4-4<br>EN 50117  |
| Common Path Distortion                           | $\leq$ -110 dBc   |  | ANSI/SCTE 109 2005  |
| Inner Conductor Resistance                       | $\leq$ 8 m $\Omega$ @ 1 A DC.   |  | IEC 61169-1   |
| Amp. Rating                                      | $\leq$ 4 A @ 60 V.  |  |   |
| Dielectric Strength                              | $\geq$ 2 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  |          |

### Mechanical

|           | Specification                | Standard                     |
|-----------|------------------------------|------------------------------|
| Interface | 5/8 female (KSF)<br>F female | ANSI/SCTE 91<br>IEC 61169-24 |

### Material and Finish

|                 | Specification                                  | Standard  |
|-----------------|--|-----------|
| Housing         | NiSn (NITIN) plated Brass                      | ASTM B605 |
| Inner conductor | NiSn (NITIN) plated Brass, with Spring Contact | ASTM B605 |
| Insulator       | 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-58m – **58FPO-FF** – 58m-Fm, 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 ( $\geq 4$  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.

