



Description: Adaptor, 5/8 male to IEC 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 | 39 dB | ≥ 42.9 dB | 5 MHz – 500 MHz | IEC 61169-1 |
| | 34 dB | ≥ 37.3 dB | 500 MHz – 860 MHz | |
| | 32 dB | ≥ 35.2 dB | 860 MHz – 1.000 MHz | |
| | 25 dB | ≥ 28.3 dB | 1.000 MHz – 1.750 MHz | |
| | 25 dB | ≥ 28.3 dB | 1.750 MHz – 2.150 MHz | |
| | 17 dB | ≥ 20.5 dB | 2.150 MHz – 3.000 MHz | |
| Insertion Loss | 0.13 dB | ≤ 0.1 dB | 5 MHz – 3.000 MHz | |
| Shielding Effectiveness (Measured with CoMeT) | Transfer Impedance @ 5 – 30 MHz | | ≤ 0.15 m Ω /item | IEC 62153-4-3 |
| | Screening Attenuation @ 30 – 1.000 MHz | | ≥ 122.6 dB | IEC 62153-4-4 |
| | Screening Attenuation @ 1.000 – 2.000 MHz | | ≥ 125.0 dB | IEC 62153-4-4 |
| | Screening Attenuation @ 2.000 – 3.000 MHz | | ≥ 126.7 dB | IEC 62153-4-4 EN 50117 |
| Common Path Distortion | ≤ -110 dBc | | | ANSI/SCTE 109 2005 |
| Amp. Rating | ≤ 8 A @ 60 V. | | | |
| Dielectric Strength | ≥ 3 kV. | | | IEC 61169-1 |
| Insulation Resistance | ≥ 29.99 G Ω @ 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 male IEC female | ANSI/SCTE 92 IEC 61169-2 |

Material and Finish

| | Specification | Standard |
|-----------------|---|-----------|
| Housing | NiSn (NITIN) plated Brass | ASTM B605 |
| Inner conductor | NiSn (NITIN) plated Brass with spring contact | ASTM B605 |
| O'ring | EPDM | |
| Spring | NiSn (NITIN) plated BerylliumCopper | |
| 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-IECF** – 58m-IECm, 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 (≥ 8 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.

