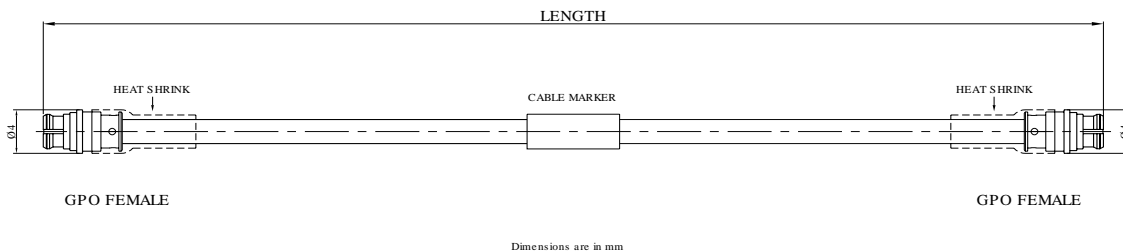


GPO (SMP) Female to GPO (SMP) Female Cable Using .086" Semi-flexible Coax with FEP Jacket, DC - 18GHz

P/N: FR712-GPFGPF-XXX



Product Configuration

| | |
|-----------------------------|-----------------|
| Connector 1 Series | GPO(SMP) |
| Connector 1 Polarity | Standard |
| Connector 1 Gender | Female |
| Connector 1 Impedance (Ohm) | 50 |
| Connector 1 Mount Method | None |
| Connector 1 Body Style | Straight |
| Connector 2 Series | GPO(SMP) |
| Connector 2 Polarity | Standard |
| Connector 2 Gender | Female |
| Connector 2 Impedance (Ohm) | 50 |
| Connector 2 Mount Method | None |
| Connector 2 Body Style | Straight |
| Coax Cable | UT-085-Form-FEP |

Mechanical Data

| | |
|---------------------------|------------------|
| Connector 1 Body Material | Beryllium Copper |
| Connector 1 Body Plating | Gold |
| Connector 2 Body Material | Beryllium Copper |
| Connector 2 Body Plating | Gold |
| Out Diameter | 2.54mm |
| Min. Bending Radius | 6mm |
| Mating Cycles, Min | ≥500 |

GPO (SMP) Female to GPO (SMP) Female Cable Using .086" Semi-flexible Coax with FEP Jacket, DC - 18GHz

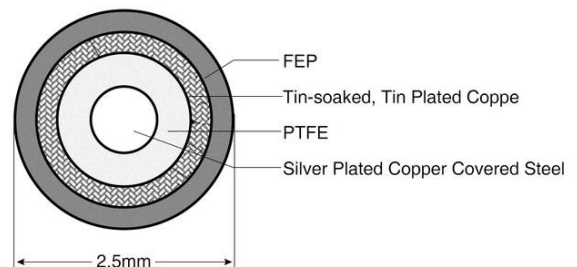
P/N: FR712-GPFGPF-XXX

Environmental Specifications

| | |
|-----------------------------|------------------|
| RoHS Compliant | Yes |
| Operating Temperature Range | -40 °C to +80 °C |
| MIL/STD | N/A |

Cable Specifications

| Description | Parameter |
|----------------------------|------------------------------------|
| Center Conductor | Silver Plated Copper Covered Steel |
| Dielectric | PTFE |
| Outer Conductor | Tin-soaked, Tin Plated Coppe |
| Jacket | FEP |
| Jacket Diameter(mm) | 2.5 |
| Capacitance(pF/m) | 94 |
| Velocity of propagation(%) | 71 |
| Min. bending radius(mm) | 6 |
| Shielding Effectiveness | > 100dB @ 1GHz |



Part Number List

| Part Number | Length(mm) | Frequency | Insertion Loss ≤ (dB) | | | | VSWR |
|-------------------|------------|-----------|-----------------------|------|-------|-------|-----------------|
| | | | 1GHz | 5GHz | 10GHz | 18GHz | |
| FR712-GPFGPF-1000 | 1000±10 | DC-18GHz | 0.86 | 1.7 | 2.5 | 3.6 | ≤ 12dB to 18GHz |
| FR712-GPFGPF-800 | 800±5 | DC-18GHz | 0.73 | 1.4 | 2.06 | 2.94 | ≤ 12dB to 18GHz |
| FR712-GPFGPF-500 | 500±5 | DC-18GHz | 0.53 | 0.95 | 1.42 | 2.05 | ≤ 12dB to 18GHz |
| FR712-GPFGPF-300 | 300±3 | DC-18GHz | 0.39 | 0.65 | 0.96 | 1.44 | ≤ 12dB to 18GHz |
| FR712-GPFGPF-260 | 260±3 | DC-18GHz | 0.37 | 0.59 | 0.87 | 1.31 | ≤ 12dB to 18GHz |
| FR712-GPFGPF-200 | 200±3 | DC-18GHz | 0.33 | 0.51 | 0.74 | 1.12 | ≤ 12dB to 18GHz |
| FR712-GPFGPF-100 | 100±3 | DC-18GHz | 0.24 | 0.35 | 0.52 | 0.81 | ≤ 12dB to 18GHz |

Note: Phase Matching is available by request.