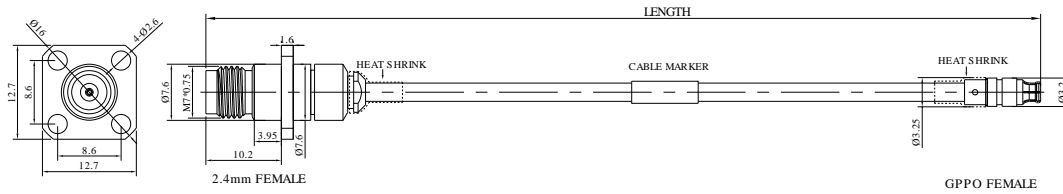


2.4mm Female with 4 Hole Flange to GPPO (Mini-SMP) Female Cable Using 3506 Series Low Loss Phase Stable Flexible Coax, DC - 50GHz

P/N: FRU2-24FFGPPF-XXX



Dimensions are in mm



Product Configuration

| | |
|-----------------------------|----------------|
| Connector 1 Series | 2.4mm |
| Connector 1 Polarity | Standard |
| Connector 1 Gender | Female |
| Connector 1 Impedance (Ohm) | 50 |
| Connector 1 Mount Method | 4 Hole Flange |
| Connector 1 Body Style | Straight |
| Connector 2 Series | GPPO(Mini-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 | 3506 |

Mechanical Data

| | |
|---------------------------|------------------|
| Connector 1 Body Material | Stainless Steel |
| Connector 1 Body Plating | Passivated |
| Connector 2 Body Material | Beryllium Copper |
| Connector 2 Body Plating | Gold |
| Out Diameter | 2.2mm |
| Min. Bending Radius | 6mm |
| Mating Cycles, Min | ≥500 |

2.4mm Female with 4 Hole Flange to GPPO (Mini-SMP) Female Cable Using 3506 Series Low Loss Phase Stable Flexible Coax, DC - 50GHz

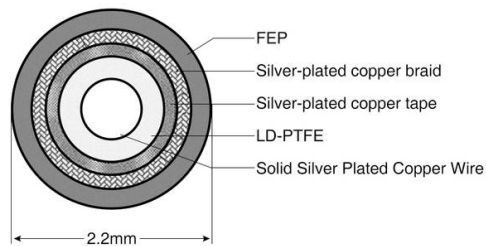
P/N: FRU2-24FFGPPF-XXX

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 wire |
| Dielectric | LD-PTFE |
| Inner Conductor | Silver-plated copper tape |
| Outer Conductor | Silver-plated copper braid |
| Jacket | FEP |
| Jacket Diameter(mm) | 2.2 |
| Capacitance(pF/m) | 94 |
| Velocity of propagation(%) | 82 |
| Min. bending radius(mm) | 6 |
| Shielding Effectiveness | > 90dB @ 1GHz |



Part Number List

| Part Number | Length(mm) | Frequency | Insertion Loss ≤ (dB) | | | | VSWR |
|--------------------|------------|-----------|-----------------------|-------|-------|-------|-----------------|
| | | | 10GHz | 20GHz | 40GHz | 50GHz | |
| FRU2-24FFGPPF-3000 | 3000±10 | DC-50GHz | 6.79 | 9.77 | 14.21 | 15.93 | ≤ 10dB to 50GHz |
| FRU2-24FFGPPF-2500 | 2500±10 | DC-50GHz | 5.74 | 8.25 | 11.98 | 13.56 | ≤ 10dB to 50GHz |
| FRU2-24FFGPPF-2000 | 2000±10 | DC-50GHz | 4.70 | 6.73 | 9.75 | 10.94 | ≤ 10dB to 50GHz |
| FRU2-24FFGPPF-1500 | 1500±10 | DC-50GHz | 3.65 | 5.21 | 7.52 | 8.53 | ≤ 10dB to 50GHz |
| FRU2-24FFGPPF-1200 | 1200±10 | DC-50GHz | 3.02 | 4.29 | 6.18 | 6.92 | ≤ 10dB to 50GHz |
| FRU2-24FFGPPF-1000 | 1000±10 | DC-50GHz | 2.61 | 3.69 | 5.29 | 5.78 | ≤ 10dB to 50GHz |
| FRU2-24FFGPPF-600 | 600±5 | DC-50GHz | 1.77 | 2.47 | 3.50 | 3.83 | ≤ 10dB to 50GHz |
| FRU2-24FFGPPF-500 | 500±5 | DC-50GHz | 1.56 | 2.17 | 3.06 | 3.32 | ≤ 10dB to 50GHz |

Note: Phase Matching is available by request.