

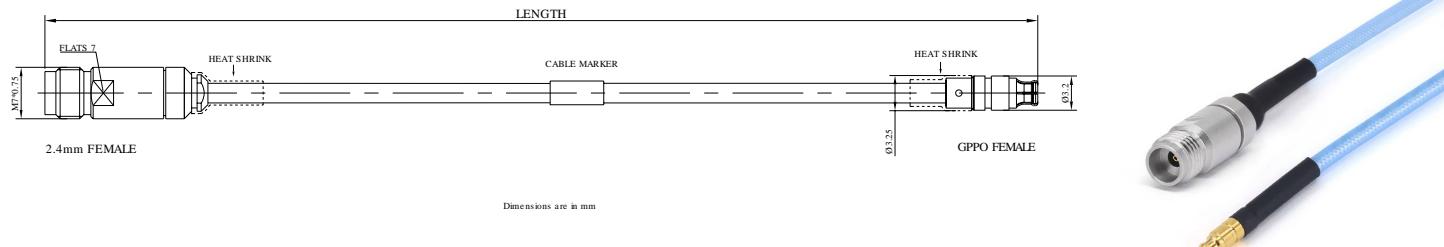


Reliable RF Components In Stock

Datasheet

P/N: FR712-24FGPPF-XXX

2.4mm Female to GPPO(Mini-SMP) Female Cable Assembly | 086" Semi-Flexible Coax Cable with FEP Jacket | DC - 50GHz

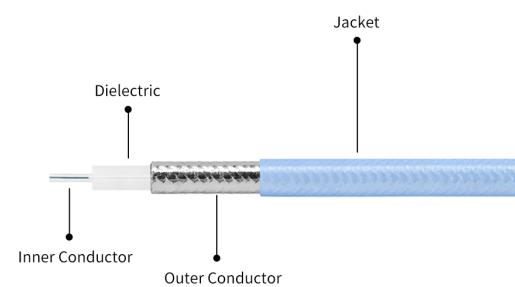


Connectors Configuration

| | Connector 1 | Connector 2 |
|---------------------------|-----------------|------------------|
| Connector Series | 2.4mm | GPPO(Mini-SMP) |
| Connector Polarity | Standard | Standard |
| Connector Gender | Female | Female |
| Connector Impedance (Ohm) | 50 | 50 |
| Connector Body Style | Straight | Straight |
| Connector Body Material | Stainless Steel | Beryllium Copper |
| Connector Body Plating | Passivated | Gold |

Cable Configuration

| | |
|--------------------------|---|
| Cable Type | .086" Semi-Flexible cable |
| Cable Impedance (Ohm) | 50 |
| Inner Conductor Material | Silver Plated Copper Covered Steel (SCCS) |
| Dielectric Material | Solid extruded PTFE |
| Shield Layer 1 Material | Tin Plated Copper |
| Jacket Material | FEP |
| Cable Diameter (mm) | 2.54 |
| Cable Color | Blue |
| Minimum Bend Radius (mm) | 6 |
| Capacitance (pF/m) | 94 |
| Velocity of Propagation | 71% |
| Shielding Effectiveness | < -110dB @ 1GHz |





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Electrical Data

Electrical Specifications for Different Length

| Length (mm) | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss \leq (dB) |
|-------------|-----------------------|------------|--------------------|----------------------------|
| 100 | ± 3 | DC - 50GHz | 14dB to 40GHz | 1.32 to 40GHz |
| 150 | ± 3 | | | 1.63 to 40GHz |
| 200 | ± 3 | | | 1.94 to 40GHz |
| 250 | ± 3 | | | 2.25 to 40GHz |
| 300 | ± 5 | | | 2.56 to 40GHz |
| 400 | ± 5 | | | 3.21 to 40GHz |
| 500 | ± 5 | | | 3.82 to 40GHz |

Environmental Specifications

RoHS Compliant

Yes

Operating Temperature Range

-40 °C to +80 °C

Test Report for Cable assembly

