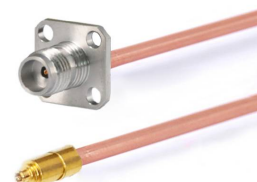
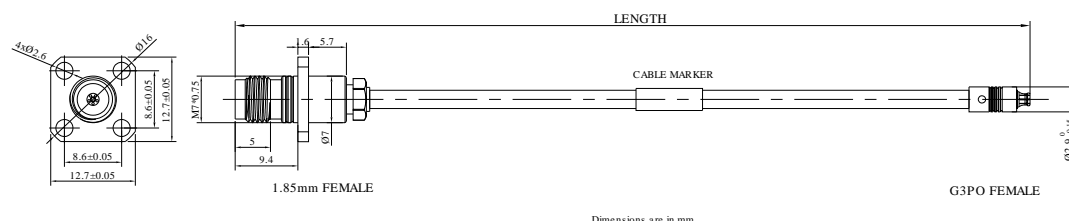


## 1.85mm 4 Hole Flange Female to G3PO(SMPS) Female Cable Assembly | .086" Semi-Rigid GUT-085 (Copper) Coax Cable | DC - 67GHz

P/N: FR710-185FFG3PF-XXX



### Connectors Configuration

|                           | Connector 1     | Connector 2      |
|---------------------------|-----------------|------------------|
| Connector Series          | 1.85mm          | G3PO(SMPS)       |
| Connector Polarity        | Standard        | Standard         |
| Connector Gender          | Female          | Female           |
| Connector Impedance (Ohm) | 50              | 50               |
| Connector Mount Method    | 4 Hole Flange   | None             |
| Connector Body Style      | Straight        | Straight         |
| Connector Body Material   | Stainless Steel | Beryllium Copper |
| Connector Body Plating    | Passivated      | Gold             |

### Cable Configuration

|                          |                                 |
|--------------------------|---------------------------------|
| Cable Type               | .086" Semi-rigid Cable (Copper) |
| Cable Impedance (Ohm)    | 50                              |
| Inner Conductor Material | Silver plated copperweld        |
| Dielectric Material      | Solid PTFE                      |
| Shield Layer 1 Material  | Copper                          |
| Cable Diameter (mm)      | 2.2                             |
| Minimum Bend Radius (mm) | 6mm                             |
| Capacitance (pF/m)       | 95                              |
| Velocity of Propagation  | 70%                             |
| Shielding Effectiveness  | <-100dB @ 1GHz                  |

**1.85mm 4 Hole Flange Female to G3PO(SMPS) Female Cable Assembly | .086" Semi-Rigid GUT-085 (Copper) Coax Cable | DC - 67GHz**

**P/N: FR710-185FFG3PF-XXX**

## Electrical Data

| Electrical Specifications for Different Length |                       |            |                       |
|------------------------------------------------|-----------------------|------------|-----------------------|
| Length (mm)                                    | Length Tolerance (mm) | Frequency  | Insertion Loss ≤ (dB) |
| 100                                            | ±3                    | DC - 67GHz | 1.32 to 40GHz         |
| 150                                            | ±3                    |            | 1.64 to 40GHz         |
| 200                                            | ±3                    |            | 1.95 to 40GHz         |
| 250                                            | ±3                    |            | 2.25 to 40GHz         |
| 300                                            | ±5                    |            | 2.56 to 40GHz         |
| 400                                            | ±5                    |            | 3.45 to 40GHz         |
| 500                                            | ±5                    |            | 3.82 to 40GHz         |
| 800                                            | ±10                   |            | 5.56 to 40GHz         |
| 1000                                           | ±10                   |            | 6.9 to 40GHz          |

## Enviromental Specifications

|                             |                  |
|-----------------------------|------------------|
| RoHS Compliant              | Yes              |
| Operating Temperature Range | -45 °C to +85 °C |
| MIL/STD                     | N/A              |