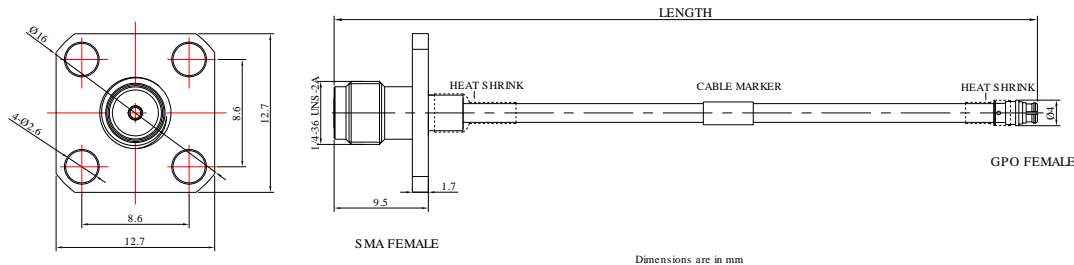


## SMA Female with 4 Hole Flange to GPO (SMP) Female Cable Using P/N: FR712-SMFFGPF-XXX .086" Semi-flexible Coax with FEP Jacket, DC - 18GHz



### Connectors Configuration

|                           | Connector 1   | Connector 2      |
|---------------------------|---------------|------------------|
| Connector Series          | SMA           | GPO(SMP)         |
| 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   | Brass         | Beryllium Copper |
| Connector Body Plating    | Gold          | Gold             |

### Cable Configuration

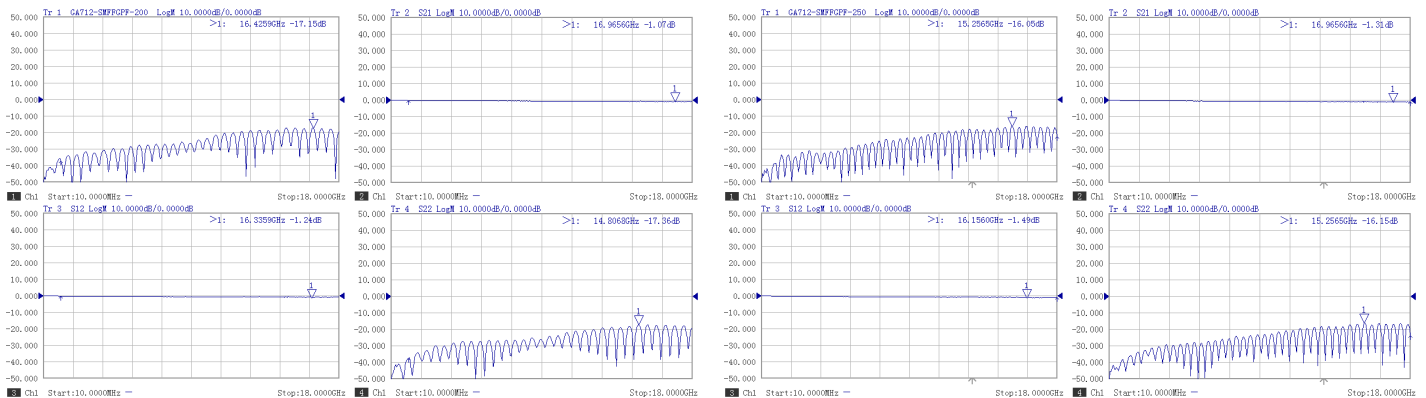
|                          |   |
|--------------------------|---|
| Cable Type               | .086" Semi-Flexible cable                 |
| Cable Impedance (Ohm)    | 50  |
| Inner Conductor Material | Silver Plated Copper Covered Steel (SCCS) |
| Dielectric Material      | Solid extruded PTFE     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

## SMA Female with 4 Hole Flange to GPO (SMP) Female Cable Using P/N: FR712-SMFFGPF-XXX .086" Semi-flexible Coax with FEP Jacket, DC - 18GHz

### Electrical Data

| Electrical Specifications for Different Length |                       |            |                    |                       |
|--|-----------------------|------------|--------------------|-----------------------|
| Length (mm)                                    | Length Tolerance (mm) | Frequency  | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 100  | ±3                    | DC-26.5GHz | 17dB to 18GHz      | 0.83 to 18GHz         |
| 150  | ±3                    |            |                    | 0.95 to 18GHz         |
| 200  | ±3                    |            |                    | 1.16 to 18GHz         |
| 250  | ±3                    |            |                    | 1.35 to 18GHz         |
| 300  | ±5                    |            |                    | 1.49 to 18GHz         |
| 400  | ±5                    |            |                    | 1.85 to 18GHz         |
| 500  | ±5                    |            |                    | 2.15 to 18GHz         |

### Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 200 mm

\*Note: Test Cable Assembly Length = 250 mm

### Environmental Specifications

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