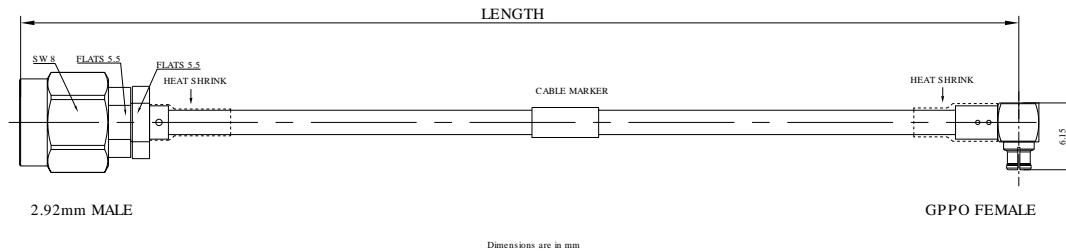


## 2.92mm Male to GPPO (Mini-SMP) Female Right Angle Cable Using P/N: FR712-292MGPPWF-XXX .086" Semi-flexible Coax with FEP Jacket, DC - 40GHz



### Connectors Configuration

|                           | Connector 1     | Connector 2      |
|---------------------------|-----------------|------------------|
| Connector Series          | 2.92mm          | GPPO(Mini-SMP)   |
| Connector Polarity        | Standard        | Standard         |
| Connector Gender          | Male            | Female           |
| Connector Impedance (Ohm) | 50              | 50               |
| Connector Mount Method    | None            | None             |
| Connector Body Style      | Straight        | Right Angle      |
| Connector Body Material   | Stainless Steel | Beryllium Copper |
| Connector Body Plating    | Passivated      | Gold             |

### Cable Configuration

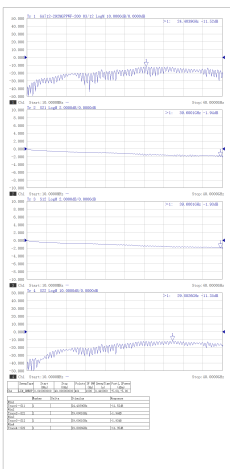
|                          |   |
|--------------------------|---|
| Cable Type               | .086" Semi-Flexible cable                 |
| Cable Impedance (Ohm)    | 50  |
| Inner Conductor Material | Silver Plated Copper Covered Steel (SCCS) |
| Dielectric Material      | Solid extruded PTFE                       |
| 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                           |

## 2.92mm Male to GPPO (Mini-SMP) Female Right Angle Cable Using P/N: FR712-292MGPPWF-XXX .086" Semi-flexible Coax with FEP Jacket, DC - 40GHz

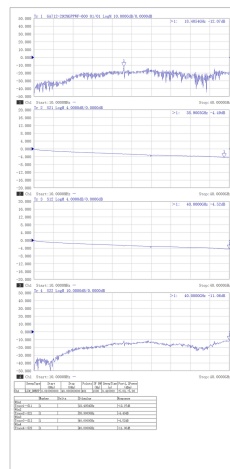
### Electrical Data

| Electrical Specifications for Different Length |                       |           |                    |                       |
|--|-----------------------|-----------|--------------------|-----------------------|
| Length (mm)                                    | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 100  | ±3                    | DC-40GHz  | 10dB to 40GHz      | 1.32 to 40GHz         |
| 150  | ±3                    |           |                    | 1.64 to 40GHz         |
| 200  | ±3                    |           |                    | 1.94 to 40GHz         |
| 250  | ±3                    |           |                    | 2.25 to 40GHz         |
| 300  | ±5                    |           |                    | 2.56 to 40GHz         |
| 400  | ±5                    |           |                    | 3.20 to 40GHz         |
| 500  | ±5                    |           |                    | 3.82 to 40GHz         |

### Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 200 mm



\*Note: Test Cable Assembly Length = 600 mm

### Environmental Specifications

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