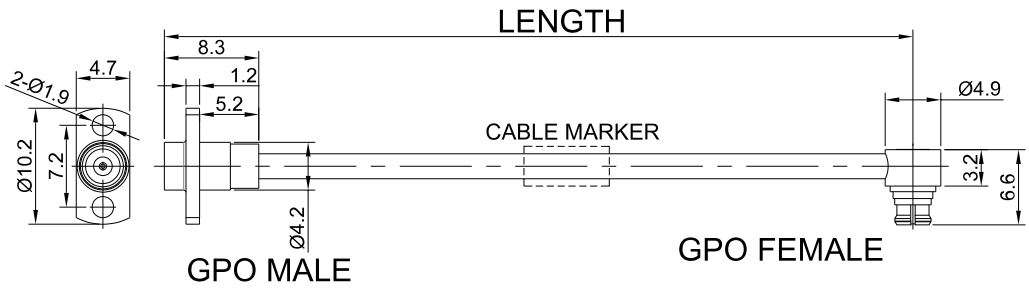
# Datasheet

## P/N: GA711-GPFMGPWF-XXX

**GPO(SMP) 2 Hole Flange Male to GPO(SMP) Right Angle Female Cable Assembly | .086" Semi-Flexible Coax Cable Without FEP Jacket | DC - 18GHz**





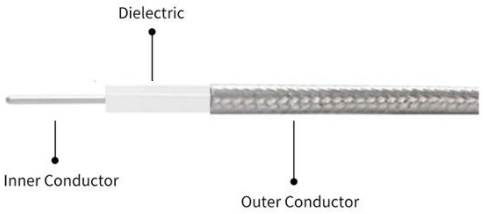

Dimensions are in mm

## Connectors Configuration

| | Connector 1 | Connector 2 |
|---|---|---|
| Connector Series | GPO(SMP) | GPO(SMP) |
| Connector Polarity | Standard | Standard |
| Connector Gender | Male | Female |
| Connector Impedance (Ohm) | 50 | 50 |
| Connector Mount Method | 2 Hole Flange | None |
| Connector Body Style | Straight | Right Angle |
| Connector Body Material | Brass | CuBe |
| 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 |
| Cable Diameter (mm) | 2.2 |
| Cable Color | Silver |
| Minimum Bend Radius (mm) | 6 |
| Capacitance (pF/m) | 94 |
| Velocity of Propagation | 71% |
| Shielding Effectiveness | < -110dB @ 1GHz |





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## P/N: GA711-GPFMGPWF-XXX

**GPO(SMP) 2 Hole Flange Male to GPO(SMP) Right Angle Female Cable Assembly | .086" Semi-Flexible Coax Cable Without FEP Jacket | DC - 18GHz**

## Electrical Data

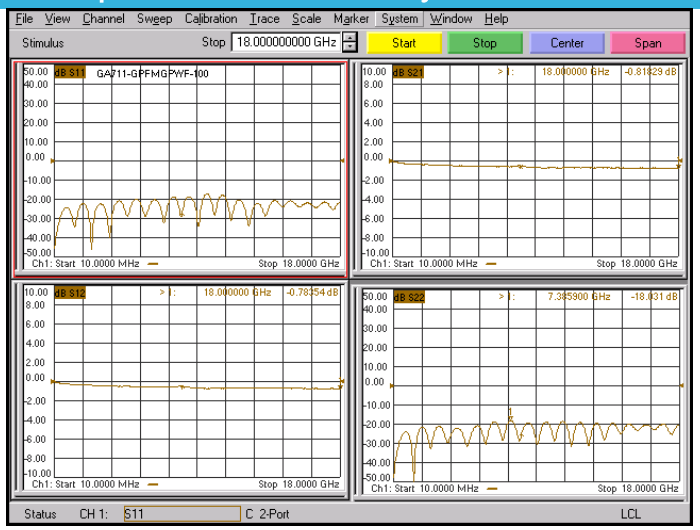
**Electrical Specifications for Different Length**

| Length (mm) | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss ≤ (dB) |
|---|---|---|---|---|
| 100 | ±3 | DC - 18GHz | 10dB | 0.83 |
| 150 | ±3 | | | 0.99 |
| 200 | ±3 | | | 1.12 |
| 250 | ±3 | | | 1.34 |
| 300 | ±5 | | | 1.49 |
| 400 | ±5 | | | 1.82 |
| 500 | ±5 | | | 2.05 |

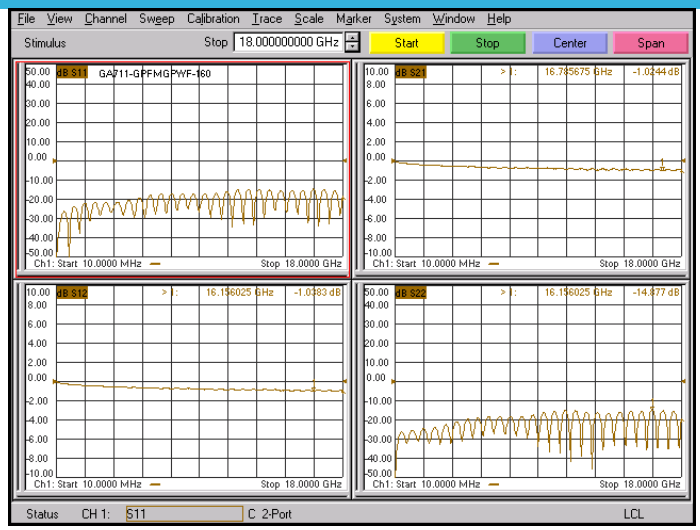
## Enviromental Specifications

| | |
|---|---|
| RoHS Compliant | Yes |
| Operating Temperature Range | -40°C to +125°C |

## Test Report for Cable assembly




*Note:Test Cable Assembly Length = 100 mm




*Note:Test Cable Assembly Length = 160 mm