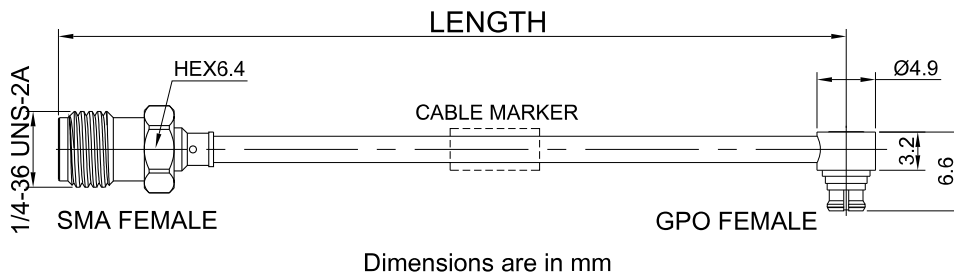


P/N: FR710-SMFGPWF-XXX

SMA Female to GPO (SMP) Right Angle Female Cable Assembly | .086" Semi-Rigid GUT-085 (Copper) Coax Cable | DC - 18GHz



Connectors Configuration

| | Connector 1 | Connector 2 |
|---------------------------|-------------|-------------|
| Connector Series | SMA | GPO(SMP) |
| Connector Polarity | Standard | Standard |
| Connector Gender | Female | Female |
| Connector Impedance (Ohm) | 50.0 | 50.0 |
| Connector Body Style | Straight | Right Angle |
| Connector Body Material | Brass | CuBe |
| Connector Body Plating | Gold | 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 |
| Cable Color | Cooper |
| Minimum Bend Radius (mm) | 6mm |
| Capacitance (pF/m) | 95 |
| Velocity of Propagation | 70% |
| Shielding Effectiveness | <-120dB @ 1GHz |



Electrical Data

| Electrical Specifications for Different Length | | | | |
|--|-----------------------|------------|--------------------|----------------------------|
| Length (mm) | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss \leq (dB) |
| 100 | ± 3 | DC - 18GHz | 14dB to 18GHz | 0.83 |
| 150 | ± 3 | | | 1.0 |
| 200 | ± 3 | | | 1.16 |
| 250 | ± 3 | | | 1.33 |
| 300 | ± 5 | | | 1.49 |
| 400 | ± 5 | | | 1.82 |
| 500 | ± 5 | | | 2.15 |

Environmental Specifications

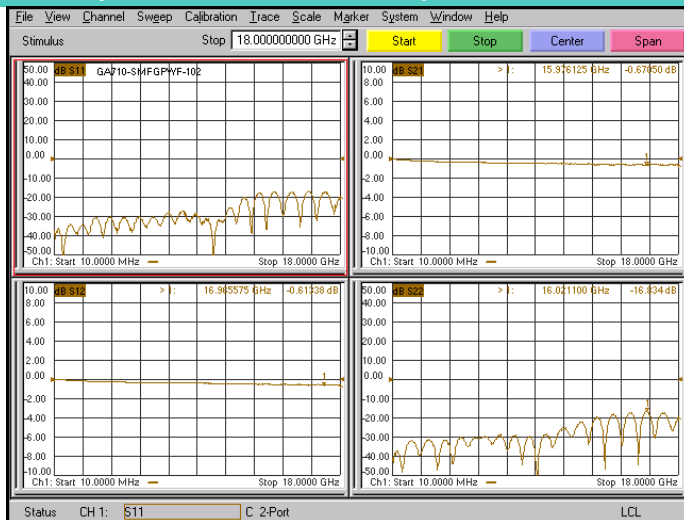
RoHS Compliant

Yes

Operating Temperature Range

-45 °C to +85 °C

Test Report for Cable assembly



*Note: Test Cable Assembly Length = 102 mm

Revision History

| Version | Description | Prepared By | Approved By | Date |
|---------|-----------------|-------------|-------------|------------|
| V1.0 | Initial release | Grimm | Hebe | 2024-01-01 |