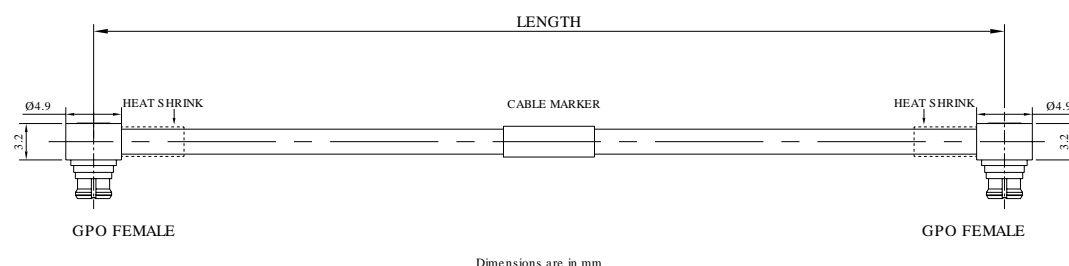


## GPO(SMP) Right Angle Female to GPO(SMP) Right Angle Female Cable Assembly | RG-405SS Flexible Coax Cable | DC - 18GHz

P/N: FRF71-GPWFGPWF-XXX



### Connectors Configuration

|                           | Connector 1      | Connector 2      |
|---------------------------|------------------|------------------|
| Connector Series          | GPO(SMP)         | GPO(SMP)         |
| Connector Polarity        | Standard         | Standard         |
| Connector Gender          | Female           | Female           |
| Connector Impedance (Ohm) | 50               | 50               |
| Connector Body Style      | Right Angle      | Right Angle      |
| Connector Body Material   | Beryllium Copper | Beryllium Copper |
| Connector Body Plating    | Gold             | Gold             |

### Cable Configuration

|                          |                            |
|--------------------------|----------------------------|
| Cable Type               | RG-405SS                   |
| Cable Impedance (Ohm)    | 50                         |
| Inner Conductor Material | Silver Plated Copper Wire  |
| Dielectric Material      | PTFE                       |
| Number of Shields        | 2                          |
| Shield Layer 1 Material  | Silver Plated Copper Tape  |
| Shield Layer 2 Material  | Silver Plated Copper Braid |
| Jacket Material          | FEP                        |
| Cable Diameter (mm)      | 2.54                       |
| Cable Color              | Turquoise                  |
| Minimum Bend Radius (mm) | 6                          |
| Capacitance (pF/m)       | 96.5                       |
| Velocity of Propagation  | 70%                        |
| Shielding Effectiveness  | >100dB@1GHz                |

## GPO(SMP) Right Angle Female to GPO(SMP) Right Angle Female Cable Assembly | RG-405SS Flexible Coax Cable | DC - 18GHz

P/N: FRF71-GPWFGPWF-XXX

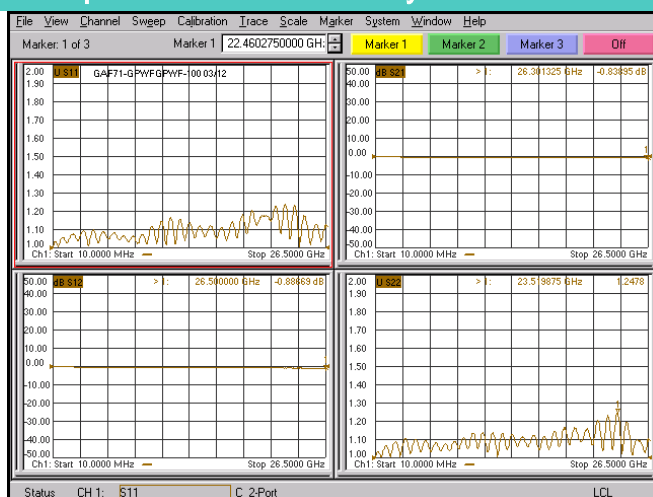
### Electrical Data

| Electrical Specifications for Different Length |                       |            |                    |                       |
|--|-----------------------|------------|--------------------|-----------------------|
| Length (mm)                                    | Length Tolerance (mm) | Frequency  | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 100  | ±3                    | DC - 18GHz | 12dB to 18GHz      | 0.81 to 18GHz         |
| 150  | ±3                    |            |                    | 1.0 to 18GHz          |
| 200  | ±3                    |            |                    | 1.12 to 18GHz         |
| 250  | ±3                    |            |                    | 1.31 to 18GHz         |
| 300  | ±5                    |            |                    | 1.49 to 18GHz         |
| 400  | ±5                    |            |                    | 1.8 to 18GHz          |
| 500  | ±5                    |            |                    | 2.15 to 18GHz         |
| 800  | ±10                   |            |                    | 2.94 to 18GHz         |
| 1000   | ±10                   |            |                    | 3.65 to 18GHz         |

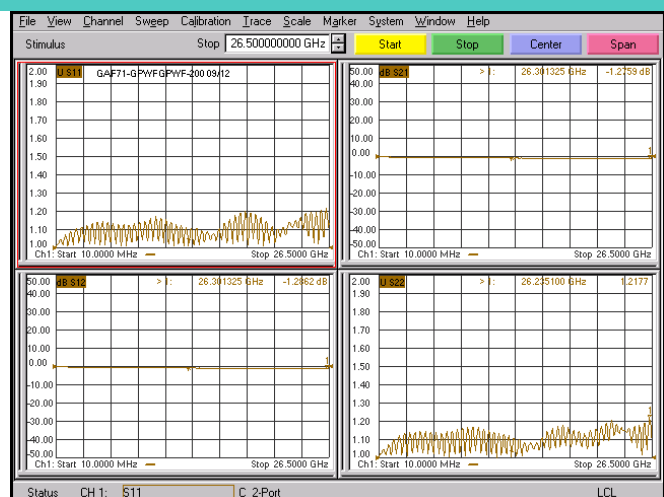
### Enviromental Specifications

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

### Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 100 mm



\*Note: Test Cable Assembly Length = 200 mm