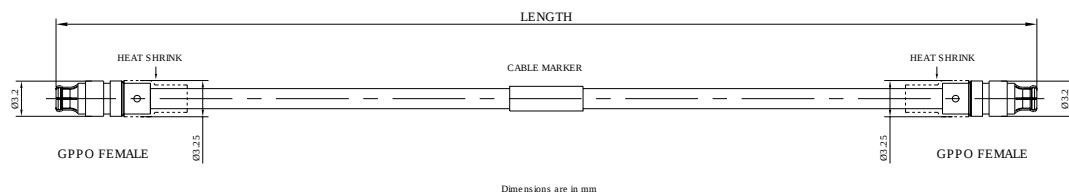


P/N: GAF71-GPPFGPPF-XXX

## GPPO(Mini-SMP) Female to GPPO(Mini-SMP) Female Cable Assembly | RG-405SS Flexible Coax Cable | DC - 40GHz

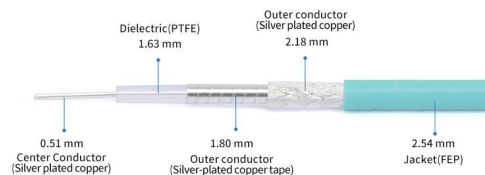


### Connectors Configuration

|                           | Connector 1      | Connector 2      |
|---------------------------|------------------|------------------|
| Connector Series          | GPPO(Mini-SMP)   | GPPO(Mini-SMP)   |
| Connector Polarity        | Standard         | Standard         |
| Connector Gender          | Female           | Female           |
| Connector Impedance (Ohm) | 50               | 50               |
| Connector Body Style      | Straight         | Straight         |
| 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            |



P/N: GAF71-GPPFGPPF-XXX

GPPO(Mini-SMP) Female to GPPO(Mini-SMP) Female Cable Assembly | RG-405SS Flexible Coax Cable | 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      | 0.529 to 18GHz        |
| 150                                            | ±3                    |            |                    |                       |
| 200                                            | ±3                    |            |                    | 0.859 to 18GHz        |
| 250                                            | ±3                    |            |                    |                       |
| 300                                            | ±5                    |            |                    | 1.18 to 18GHz         |
| 400                                            | ±5                    |            |                    |                       |
| 500                                            | ±5                    |            |                    | 1.85 to 18GHz         |
| 800                                            | ±10                   |            |                    |                       |
| 1000                                           | ±10                   |            |                    | 3.49 to 18GHz         |

## Enviromental Specifications

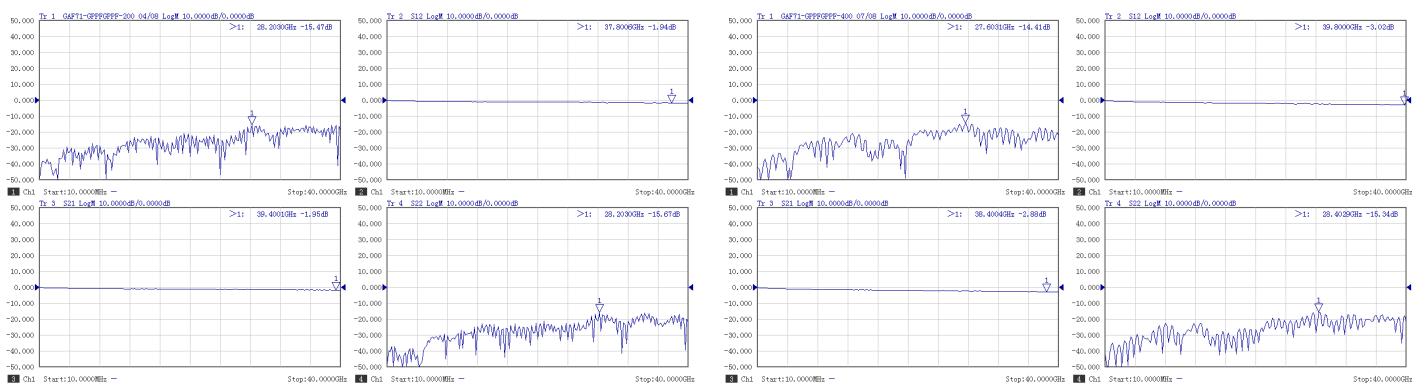
RoHS Compliant

Yes

Operating Temperature Range

-45°C to +125°C

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 200 mm

\*Note: Test Cable Assembly Length = 400 mm