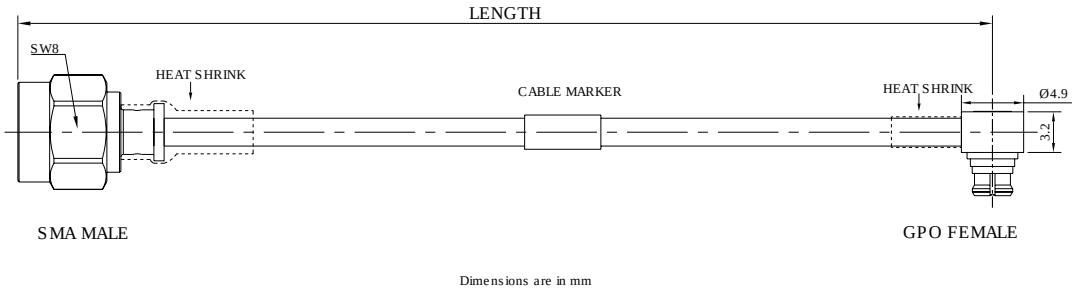
Gwave
Fast Delivery RF Parts.

# Datasheet

## P/N: GAF71-SMMGPWF-XXX

**SMA Male to GPO(SMP) Right Angle Female Cable Assembly | RG-405SS Flexible Coax Cable | DC - 26.5GHz**




Dimensions are in mm

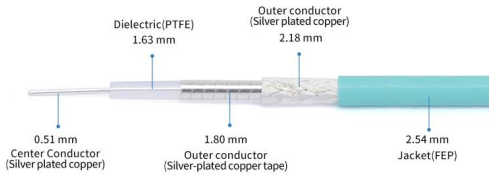


## Connectors Configuration

| | Connector 1 | Connector 2 |
|---|---|---|
| Connector Series | SMA | GPO(SMP) |
| Connector Polarity | Standard | Standard |
| Connector Gender | Male | Female |
| Connector Impedance (Ohm) | 50 | 50 |
| Connector Body Style | Straight | Right Angle |
| Connector Body Material | Stainless Steel | Beryllium Copper |
| Connector Body Plating | Passivated | 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) | 2.64 |
| Cable Color | Turquoise |
| Minimum Bend Radius (mm) | 6 |
| Capacitance (pF/m) | 96.5 |
| Velocity of Propagation | 70% |
| Shielding Effectiveness | < -100dB @ 1GHz |





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www.gwavetech.com

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**SMA Male to GPO(SMP) Right Angle Female Cable Assembly | RG-405SS Flexible Coax Cable | DC - 26.5GHz**

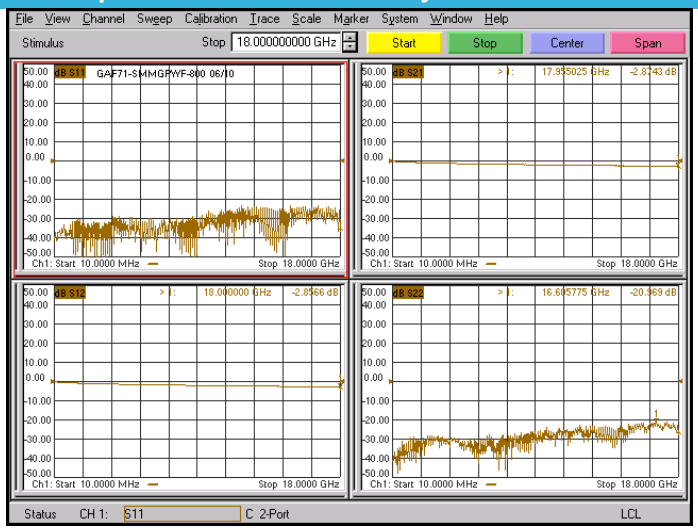
## Electrical Data

| Electrical Specifications for Different Length | | | | |
|---|---|---|---|---|
| Length (mm) | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 100 | ±3 | DC - 26.5GHz | 15dB to 18GHz | 0.83 to 18GHz |
| 200 | ±3 | | | 1.16 to 18GHz |
| 300 | ±5 | | | 1.49 to 18GHz |
| 500 | ±5 | | | 2.15 to 18GHz |
| 800 | ±10 | | | 3.14 to 18GHz |
| 1000 | ±10 | | | 3.65 to 18GHz |
| 1500 | ±15 | | | 5.15 to 18GHz |
| 2000 | ±20 | | | 6.65 to 18GHz |

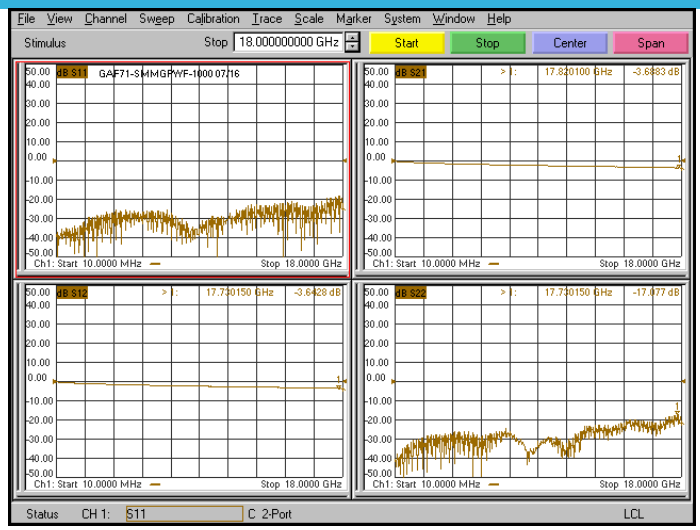
## Enviromental Specifications

| | |
|---|---|
| RoHS Compliant | Yes |
| Operating Temperature Range | -45°C to +125°C |

## Test Report for Cable assembly




*Note:Test Cable Assembly Length = 800 mm




*Note:Test Cable Assembly Length = 1000 mm