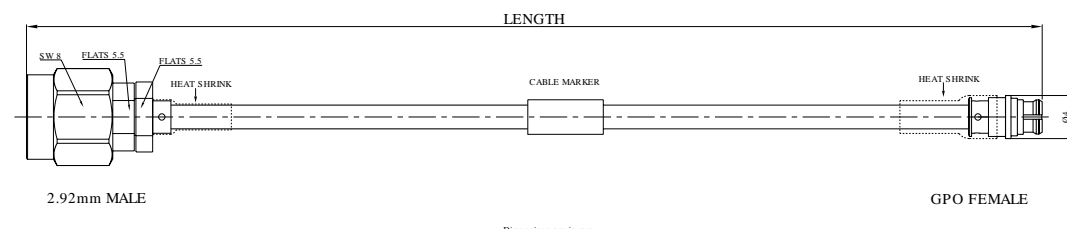


P/N: FRF71-292MGPF-XXX

2.92mm Male to GPO(SMP) Female Cable Assembly | RG-405SS Flexible Coax Cable | DC - 40GHz

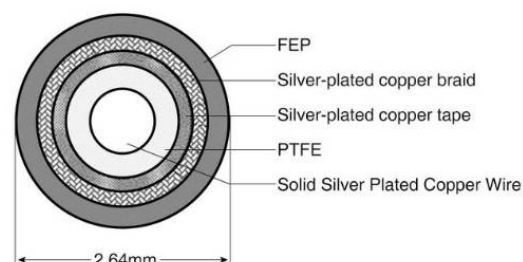


Connectors Configuration

| | Connector 1 | Connector 2 |
|---------------------------|-----------------|------------------|
| Connector Series | 2.92mm | GPO(SMP) |
| Connector Polarity | Standard | Standard |
| Connector Gender | Male | Female |
| Connector Impedance (Ohm) | 50 | 50 |
| Connector Body Style | Straight | Straight |
| 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) | 2.54 |
| Cable Color | Turquoise |
| Minimum Bend Radius (mm) | 6 |
| Capacitance (pF/m) | 96.5 |
| Velocity of Propagation | 70% |
| Shielding Effectiveness | > -100dB @ 1GHz |



P/N: FRF71-292MGPF-XXX

2.92mm Male to GPO(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 | 12dB to 40GHz | 1.32 to 40GHz |
| 200 | ±3 | | | 1.94 to 40GHz |
| 300 | ±5 | | | 2.56 to 40GHz |
| 500 | ±5 | | | 3.82 to 40GHz |
| 800 | ±10 | | | 5.66 to 40GHz |
| 1000 | ±10 | | | 6.9 to 40GHz |
| 1500 | ±15 | | | 10.0 to 40GHz |
| 2000 | ±20 | | | 13.5 to 40GHz |

Enviromental Specifications

RoHS Compliant

Yes

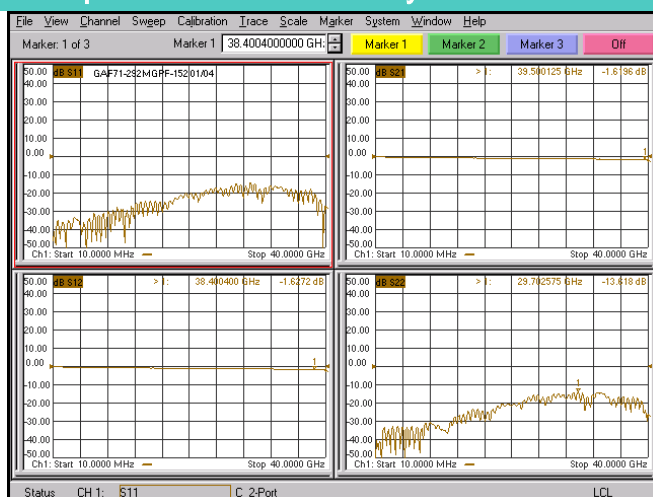
Operating Temperature Range

-40 °C to +80 °C

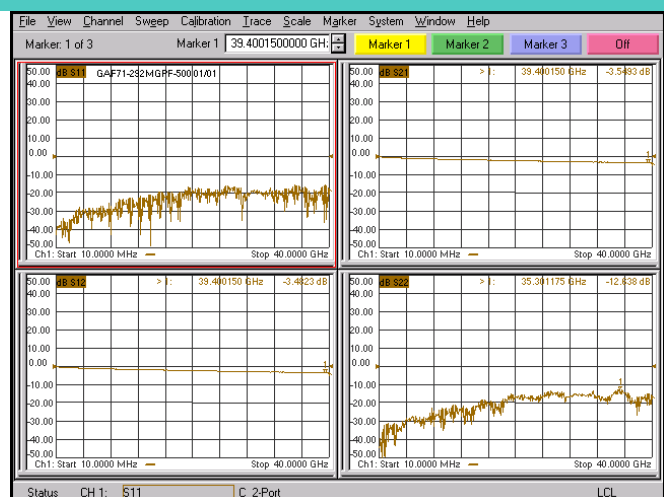
MIL/STD

N/A

Test Report for Cable assembly



*Note: Test Cable Assembly Length = 152 mm



*Note: Test Cable Assembly Length = 500 mm