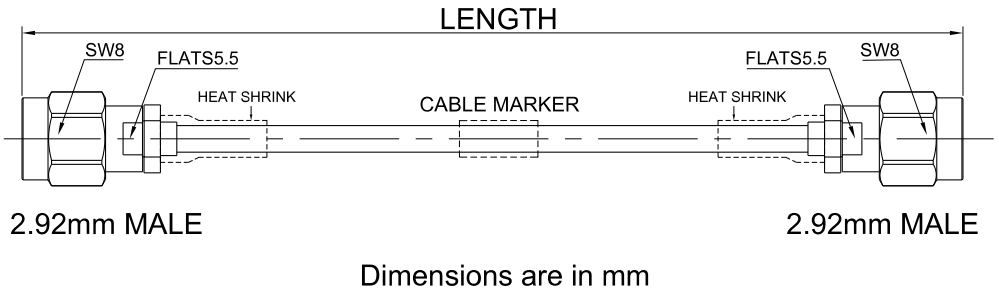
Gwave
Fast Delivery RF Parts.

# Datasheet

## P/N: GAF71-292M292M-XXX

### 2.92mm Male to 2.92mm Male Cable Assembly | RG-405SS Flexible Coax Cable | DC - 40GHz




Dimensions are in mm

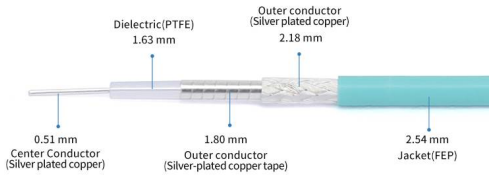


## Connectors Configuration

| | Connector 1 | Connector 2 |
|---|---|---|
| Connector Series | 2.92mm | 2.92mm |
| Connector Polarity | Standard | Standard |
| Connector Gender | Male | Male |
| Connector Impedance (Ohm) | 50 | 50 |
| Connector Body Style | Straight | Straight |
| Connector Body Material | Stainless Steel | Stainless Steel |
| Connector Body Plating | Passivated | Passivated |

## 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 |





Gwave Technology Inc
(888)251-2240
87 Patricia Ct, Mountain View, CA 94041
sales@gwavetech.com
www.gwavetech.com

## P/N: GAF71-292M292M-XXX

**2.92mm Male to 2.92mm Male Cable Assembly | RG-405SS Flexible Coax Cable | DC - 40GHz**

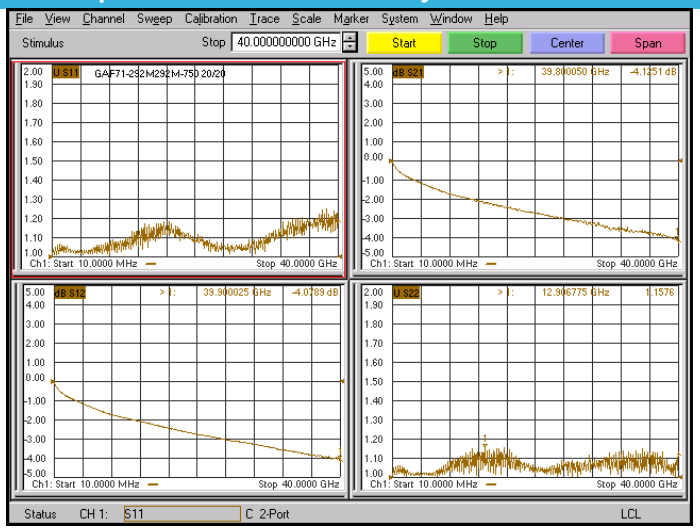
## Electrical Data

| Electrical Specifications for Different Length | | | | |
|---|---|---|---|---|
| Length (mm) | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 100 | ±3 | DC - 40GHz | 1.4 | 1.32 |
| 150 | ±3 | | | 1.63 |
| 200 | ±3 | | | 1.94 |
| 250 | ±3 | | | 2.25 |
| 300 | ±5 | | | 2.56 |
| 400 | ±5 | | | 3.21 |
| 500 | ±5 | | | 3.82 |
| 600 | ±5 | | | 4.32 |
| 800 | ±10 | | | 5.66 |
| 1000 | ±10 | | | 6.9 |
| 1500 | ±15 | | | 10.0 |

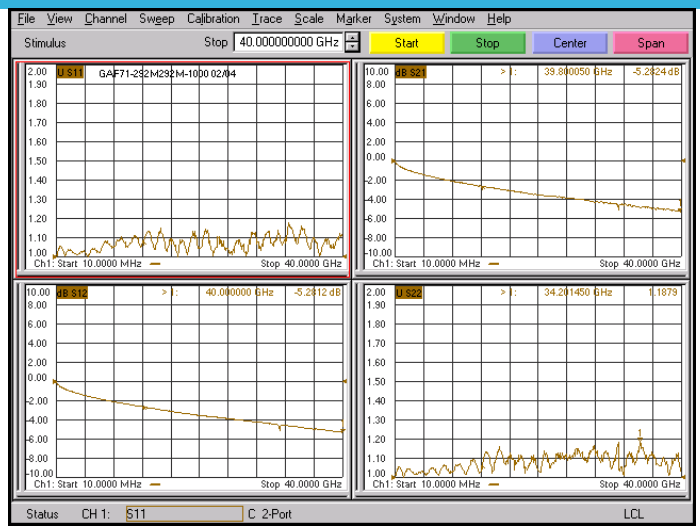
## Enviromental Specifications

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

## Test Report for Cable assembly




*Note:Test Cable Assembly Length = 750 mm




*Note:Test Cable Assembly Length = 1000 mm