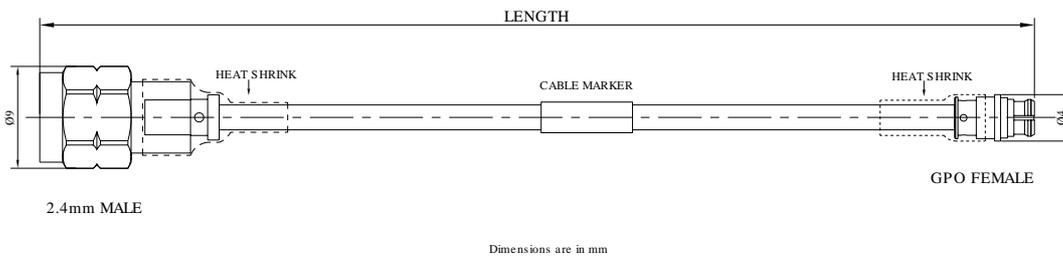


## P/N: FRU2-24MGPF-XXX

### 2.4mm Male to GPO(SMP) Female Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | Cable Dia.2.2mm | DC - 40GHz

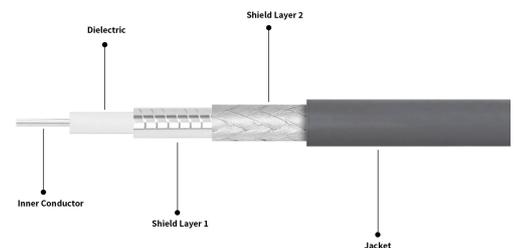


## Connectors Configuration

|                           | Connector 1     | Connector 2      |
|---------------------------|-----------------|------------------|
| Connector Series          | 2.4mm           | 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               | GT3506 flexible cable      |
| Cable Impedance (Ohm)    | 50                         |
| Inner Conductor Material | Silver Plated Copper Wire  |
| Dielectric Material      | LD-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)      | 2.2                        |
| Cable Color              | Gray                       |
| Minimum Bend Radius (mm) | 11                         |
| Capacitance (pF/m)       | 94                         |
| Velocity of Propagation  | 82%                        |
| Shielding Effectiveness  | < -100dB @ 1GHz            |



## P/N: FRU2-24MGPF-XXX

2.4mm Male to GPO(SMP) Female Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | Cable Dia.2.2mm | 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 | 14dB to 40GHz      | 1.12 to 40GHz         |
| 200  | ±3                    |            |                    | 1.54 to 40GHz         |
| 300  | ±5                    |            |                    | 2.06 to 40GHz         |
| 500  | ±5                    |            |                    | 2.98 to 40GHz         |
| 800  | ±10                   |            |                    | 4.42 to 40GHz         |
| 1000   | ±10                   | DC - 18GHz | 14dB to 40GHz      | 5.32 to 40GHz         |
| 1500   | ±15                   | DC - 40GHz |                    | 7.52 to 40GHz         |
| 2000   | ±20                   |            |                    | 9.75 to 40GHz         |

### Environmental Specifications

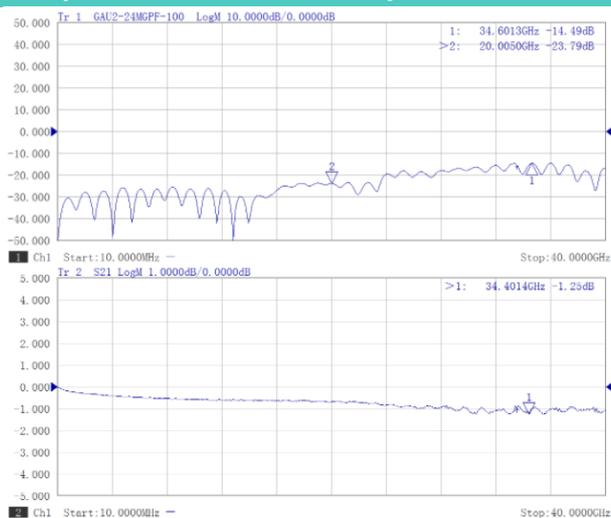
RoHS Compliant

Yes

Operating Temperature Range

-55 °C to +125 °C

### Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 100 m