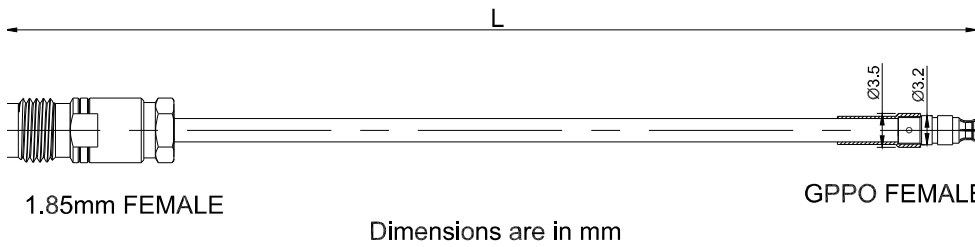


P/N: FRU2-185FGPPF-XXX

1.85mm Female to GPPO(Mini-SMP) Female Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | DC - 65GHz

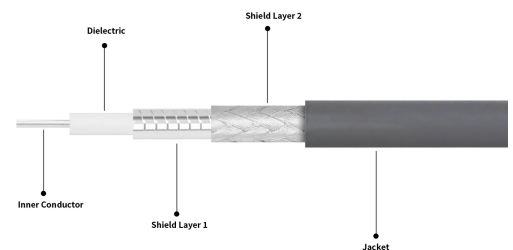


Connectors Configuration

| | Connector 1 | Connector 2 |
|---------------------------|-----------------|------------------|
| Connector Series | 1.85mm | GPPO(Mini-SMP) |
| Connector Polarity | Standard | Standard |
| Connector Gender | Female | 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: FRU2-185FGPPF-XXX

1.85mm Female to GPPO(Mini-SMP) Female Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | DC - 65GHz

Electrical Data

| Electrical Specifications for Different Length | | | | |
|--|-----------------------|------------|--------------------|-----------------------|
| Length (mm) | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 100 | ±3 | DC - 65GHz | 12dB to 65GHz | 1.61 to 65GHz |
| 200 | ±3 | | | 2.24 to 65GHz |
| 300 | ±5 | | | 2.87 to 65GHz |
| 400 | ±5 | | | 3.57 to 65GHz |
| 500 | ±5 | | | 4.27 to 65GHz |
| 600 | ±5 | | | 4.97 to 65GHz |
| 800 | ±10 | | | 6.37 to 65GHz |
| 1000 | ±10 | | | 7.77 to 65GHz |
| 1500 | ±15 | | | 11.27 to 65GHz |
| 2000 | ±20 | | | 14.57 to 65GHz |

Environmental Specifications

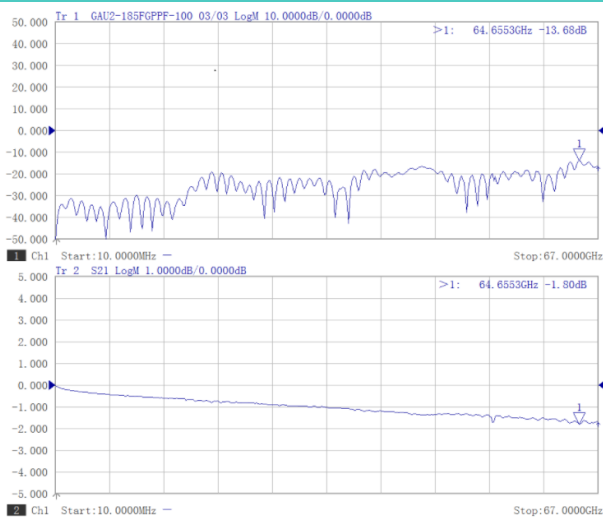
RoHS Compliant

Yes

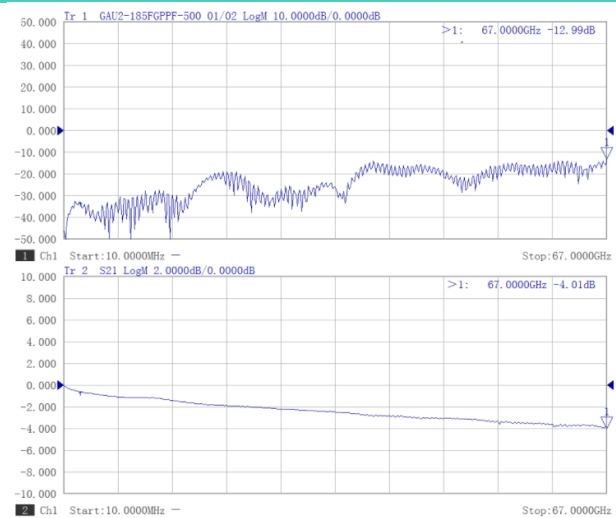
Operating Temperature Range

-55 °C to +125 °C

Test Report for Cable assembly



*Note: Test Cable Assembly Length = 100 mm



*Note: Test Cable Assembly Length = 500 mm