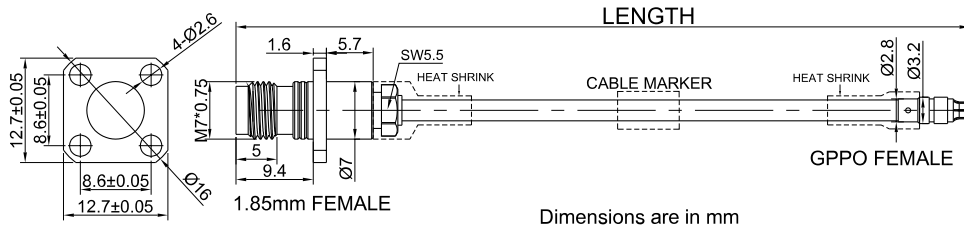


## P/N: FRU2-185FFGPPF-XXX

### 1.85mm 4 Hole Flange Female to GPPO(Mini-SMP) Female Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | DC - 67GHz



## 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 Mount Method	4 Hole Flange	
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



## Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 65GHz	13dB to 65GHz	1.61 to 65GHz
200	±3			2.24 to 65GHz
300	±5			2.87 to 65GHz
500	±5			4.13 to 65GHz
800	±10			6.01 to 65GHz
1000	±10			7.23 to 65GHz
1500	±15			10.0 to 65GHz
2000	±20			12.81 to 65GHz

## Environmental Specifications

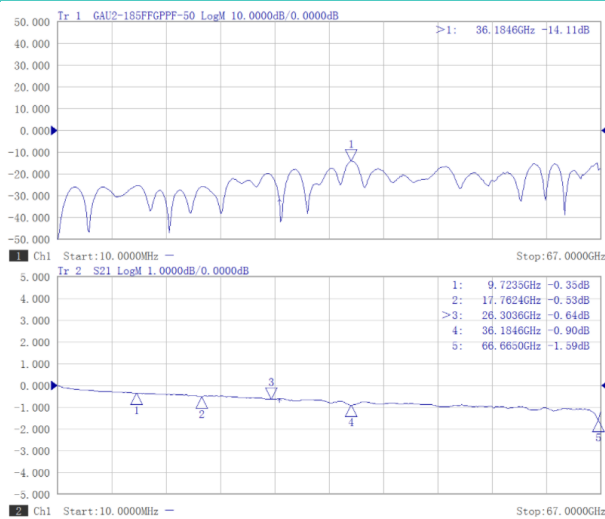
RoHS Compliant

Yes

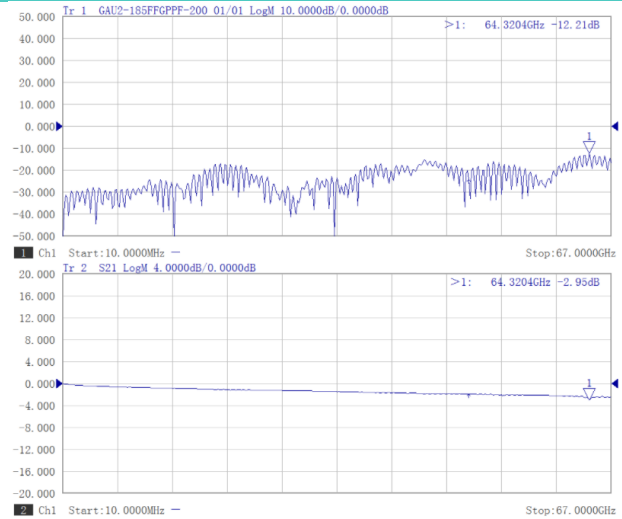
Operating Temperature Range

-55 °C to +125 °C

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 50 mm



\*Note: Test Cable Assembly Length = 200 mm

## Revision History

Version	Description	Prepared By	Approved By	Date
V1.0	Initial release	Grimm	Hebe	2024-01-01