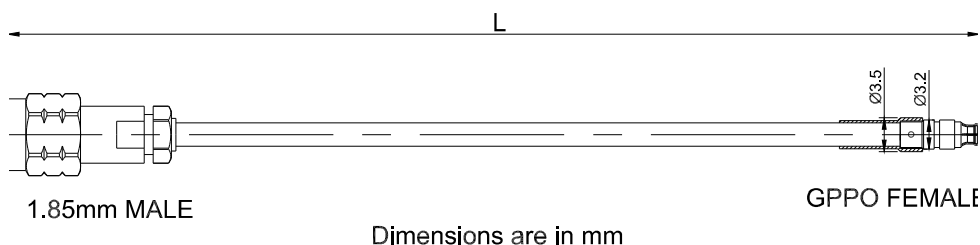


**1.85mm Male to GPPO(Mini-SMP) Female Cable Assembly | 3506** **P/N: GAU2-185MGPPF-XXX**  
**Series Low Loss Phase Stable Flexible Coax Cable | DC - 65GHz**

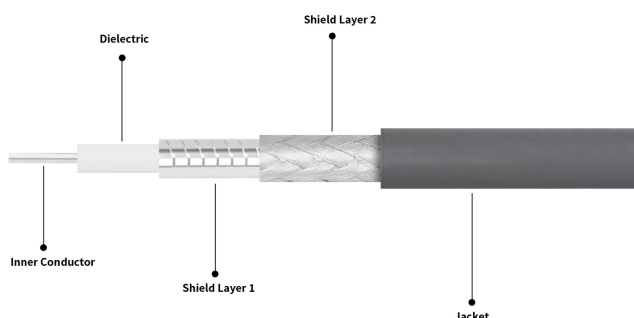


## Connectors Configuration

	Connector 1	Connector 2
Connector Series	1.85mm	GPPO(Mini-SMP)
Connector Polarity	Standard	Standard
Connector Gender	Male	Female
Connector Impedance (Ohm)	50	50
Connector Mount Method		None
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Beryllium Copper
Connector Body Plating	Passivated	Gold

## Cable Configuration

Cable Type	GT3506
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	Grey
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	94
Velocity of Propagation	82%
Shielding Effectiveness	> -100dB @ 1GHz



**1.85mm Male to GPPO(Mini-SMP) Female Cable Assembly | 3506 P/N: GAU2-185MGPPF-XXX**  
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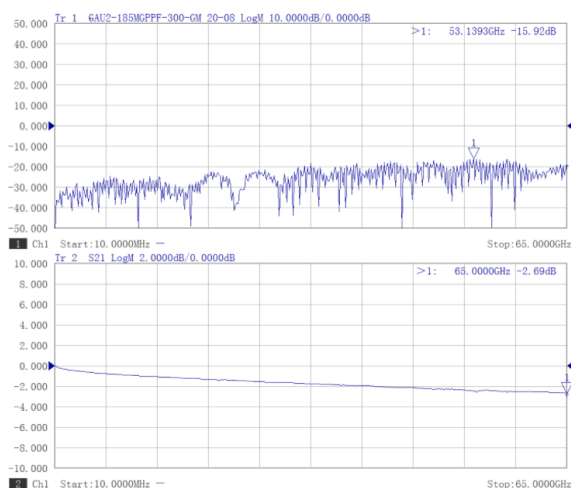
## Electrical Data

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			2.4 to 60GHz
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

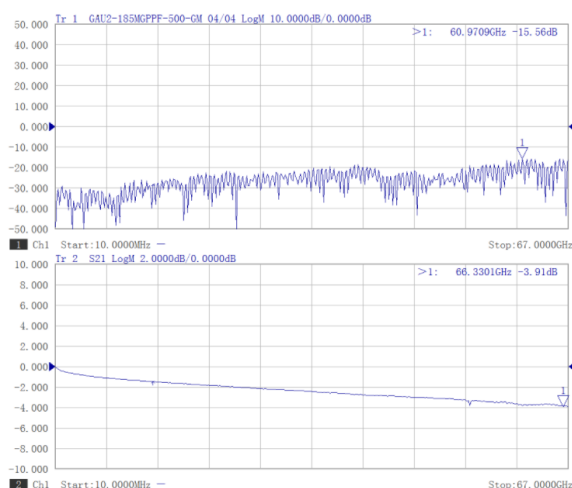
## Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-40°C to +155°C
MIL/STD	N/A

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 300 mm



\*Note: Test Cable Assembly Length = 500 mm