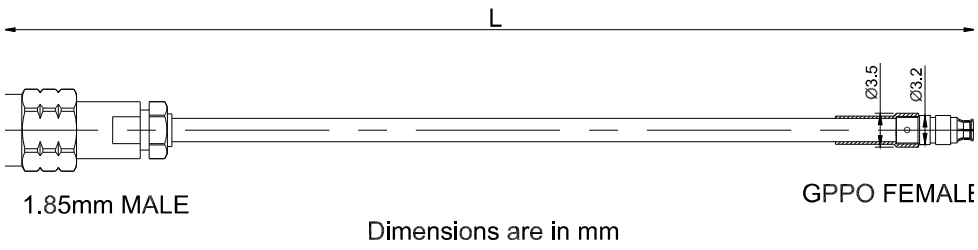
Gwave
Fast Delivery RF Parts.

Datasheet

P/N: GAU2-185MGPPF-XXX

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



Dimensions are in mm

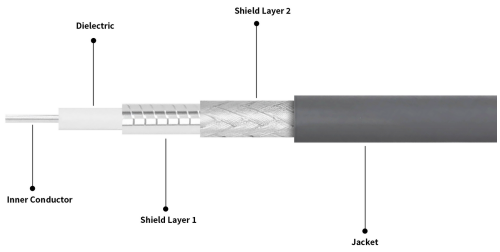


Connectors Configuration

	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 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



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Electrical Data

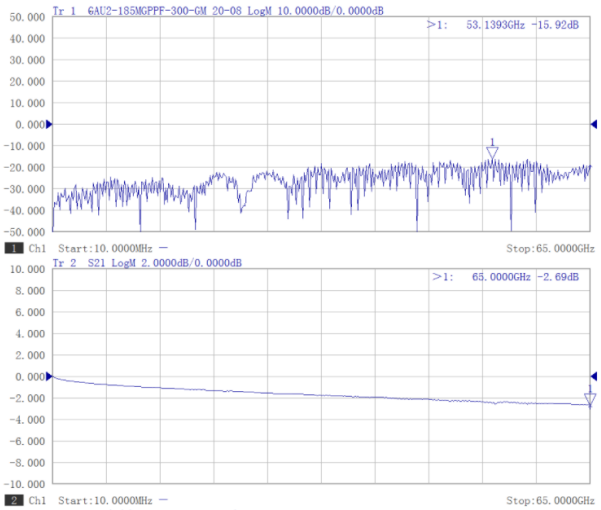
Electrical Specifications for Different Length

Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 65GHz	12 dB to 65 GHz	1.61 to 65GHz
200	±3			2.24 to 65GHz
300	±5			2.4 to 60GHz
400	±5			
500	±5		12 dB to 65 GHz	4.13 to 65GHz
600	±5			
800	±10			6.01 to 65GHz
1000	±10			7.23 to 65GHz
1500	±15			10.0 to 65GHz
2000	±20			12.81 to 65GHz

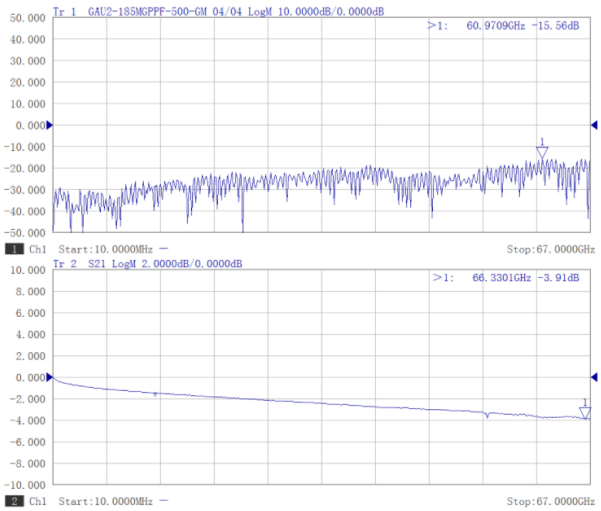
Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-55 ºC to +125 ºC

Test Report for Cable assembly



*Note:Test Cable Assembly Length = 300 mm



*Note:Test Cable Assembly Length = 500 mm