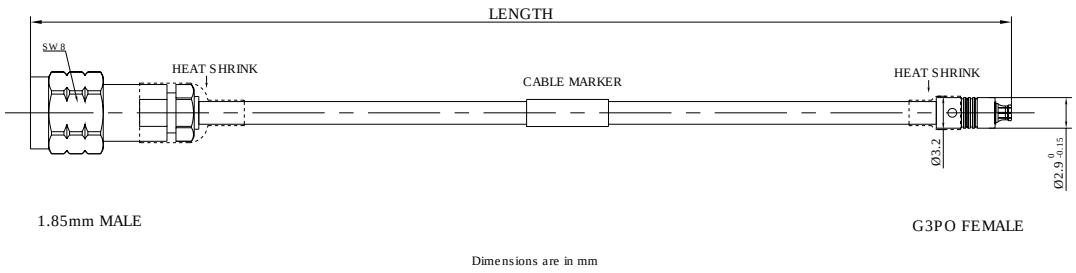
Flexi RF
Reliable RF Components In Stock

Datasheet

P/N: FRU2-185MG3PF-XXX

1.85mm Male to G3PO(SMPS) Female Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | DC - 67GHz



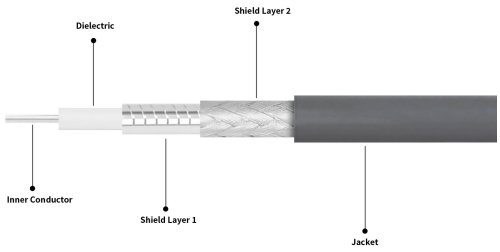


Connectors Configuration

	Connector 1	Connector 2
Connector Series	1.85mm	G3PO(SMPS)
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



Flexi RF Inc
(650)880-9199
20195 Stevens Creek Blvd, Suite 220, Cupertino, CA 95014
sales@flexirf.com
www.flexirf.com

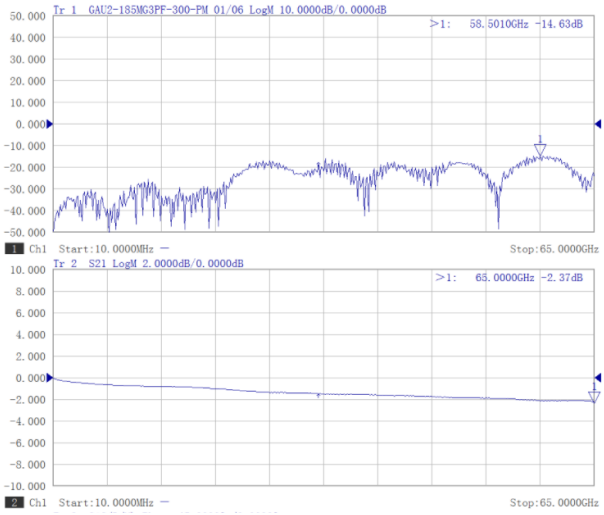
Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 67GHz	10dB to 67GHz	1.42 to 67GHz
200	±3			2.01 to 67GHz
300	±3			2.7 to 67GHz
500	±5			3.79 to 67GHz
800	±5			5.60 to 67GHz
1000	±10			6.76 to 67GHz
1500	±15			9.73 to 67GHz
2000	±20			12.5 to 67GHz

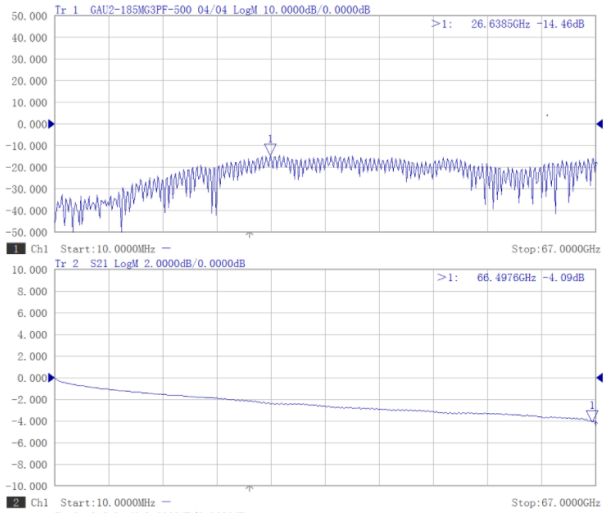
Enviromental Specifications

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

Revision History

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