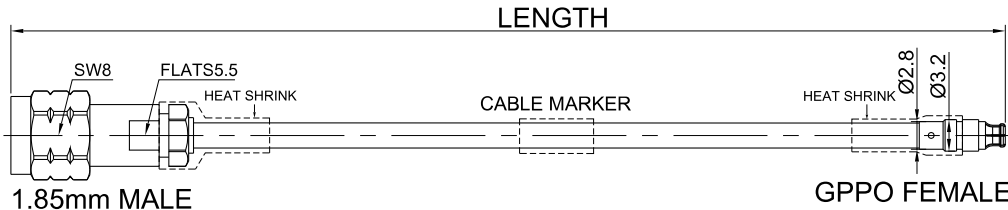


P/N: FRF71-185MGPPF-XXX

## 1.85mm Male to GPPO(Mini-SMP) Female Cable Assembly | RG-405SS Flexible Coax Cable | DC - 65GHz



Dimensions are in mm

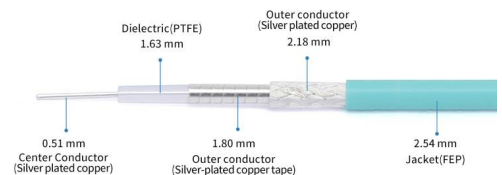


### Connectors Configuration

	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	RG-405SS
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper Wire
Dielectric Material	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)	2.64
Cable Color	Turquoise
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	96.5
Velocity of Propagation	70%
Shielding Effectiveness	> 100dB @ 1GHz



## Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss $\leq$ (dB)
100	$\pm 3$	DC - 65GHz	12 dB to 65 GHz	1.70 to 65GHz
200	$\pm 3$			2.70 to 65GHz
300	$\pm 5$			3.70 to 65GHz
400	$\pm 5$			4.70 to 65GHz
500	$\pm 5$			5.70 to 65GHz
600	$\pm 5$			6.70 to 65GHz
800	$\pm 10$			5.70 to 65GHz
1000	$\pm 10$			9.70 to 65GHz
1500	$\pm 15$			9.70 to 65GHz
2000	$\pm 20$			19.70 to 65GHz

## Environmental Specifications

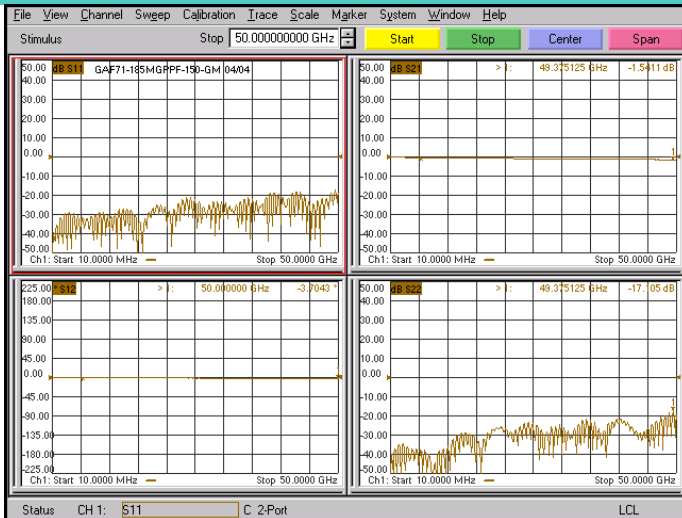
RoHS Compliant

Yes

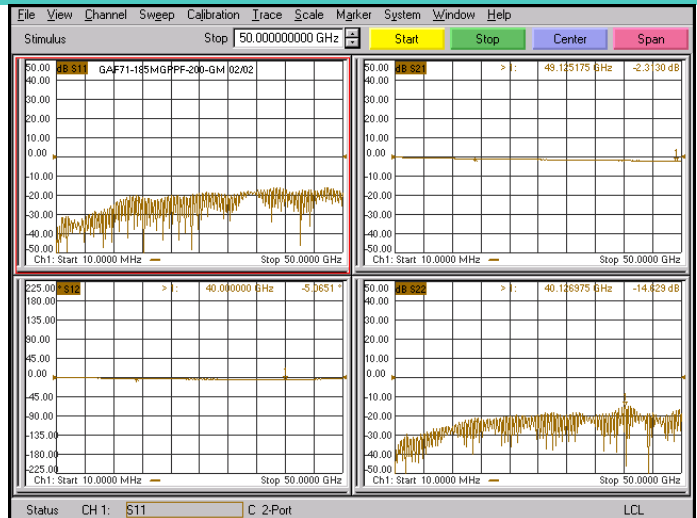
Operating Temperature Range

-45°C to +125°C

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 150 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