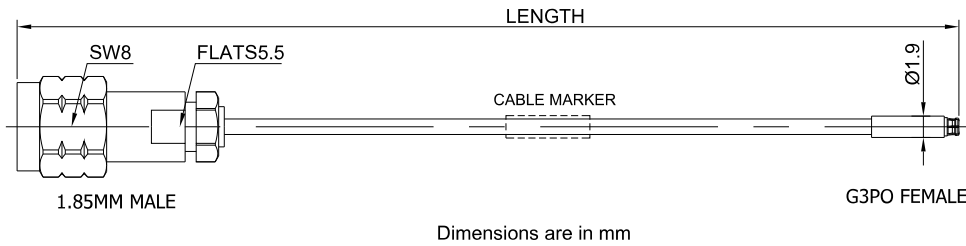


P/N: FR701-185MG3PF-XXX

1.85mm Male to G3PO(SMPS) Female Cable Assembly | .047" Series Semi-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	.047" semi-flexible cable
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver plated copperweld
Dielectric Material	Solid PTFE
Number of Shields	1
Shield Layer 1 Material	Tin-soaked copper
Cable Diameter (mm)	1.19
Cable Color	Silver
Minimum Bend Radius (mm)	5
Capacitance (pF/m)	95.1
Velocity of Propagation	70%
Shielding Effectiveness	>90

Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 67GHz	1.92	1.62
150	±3			2.03
200	±3			2.44
250	±3			3.00
300	±5			3.56
400	±5			4.69
500	±5			5.82

Environmental Specifications

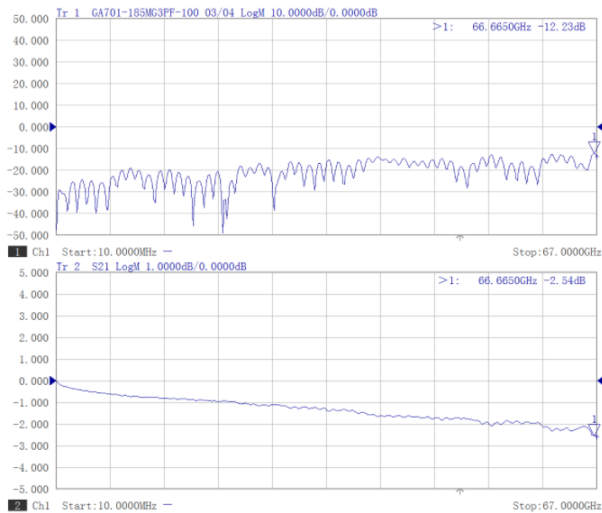
RoHS Compliant

Yes

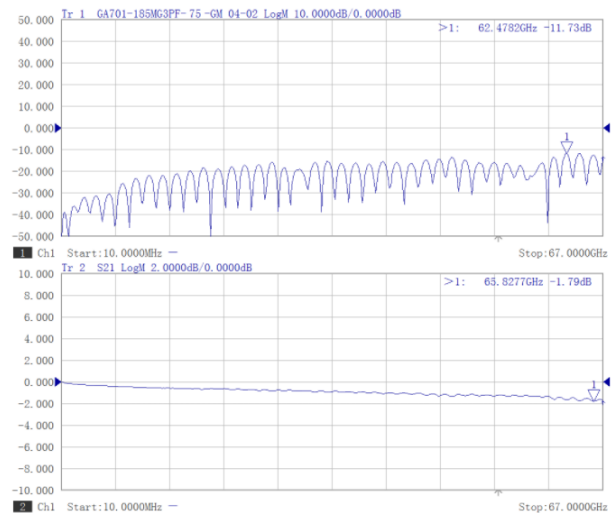
Operating Temperature Range

-40 °C to +80 °C

Test Report for Cable assembly



*Note: Test Cable Assembly Length = 100 mm



*Note: Test Cable Assembly Length = 500 mm

Revision History

Version	Description	Prepared By	Approved By	Date
---------	-------------	-------------	-------------	------