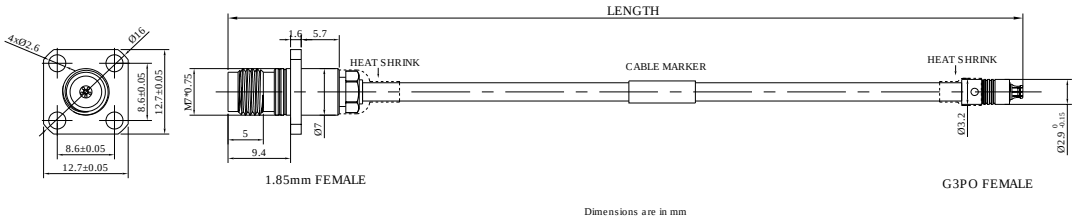
Flexi RF
Reliable RF Components In Stock

Datasheet

P/N: FR712-185FFG3PF-XXX

1.85mm 4 Hole Flange Female to G3PO(SMPS) Female Cable Assembly | 086" Semi-Flexible Coax Cable with FEP Jacket | DC - 67GHz



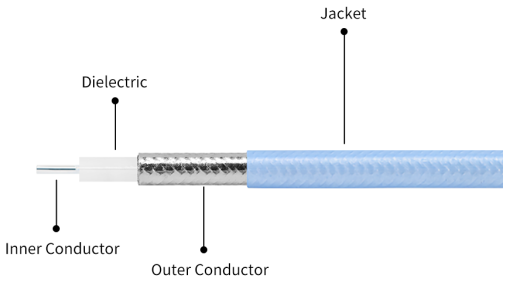


Connectors Configuration

	Connector 1	Connector 2
Connector Series	1.85mm	G3PO(SMPS)
Connector Polarity	Standard	Standard
Connector Gender	Female	Female
Connector Impedance (Ohm)	50	50
Connector Mount Method	4 Hole Flange	None
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Beryllium Copper
Connector Body Plating	Passivated	Gold

Cable Configuration

Cable Type	.086" Semi-Flexible cable
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper Covered Steel (SCCS)
Dielectric Material	Solid extruded PTFE
Shield Layer 1 Material	Tin Plated Copper
Jacket Material	FEP
Cable Diameter (mm)	2.54
Cable Color	Blue
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	94
Velocity of Propagation	71%
Shielding Effectiveness	< -110dB @ 1GHz



Flexi RF Inc

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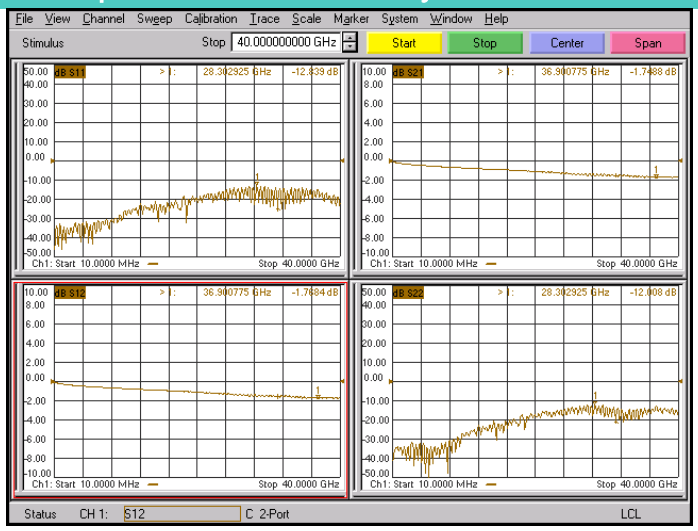
Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 67GHz	10dB to 67GHz	1.70 to 67GHz
150	±3			2.20 to 67GHz
200	±3			2.70 to 67GHz
250	±3			3.20 to 67GHz
300	±3			3.70 to 67GHz
400	±5			4.70 to 67GHz
500	±5			5.70 to 67GHz

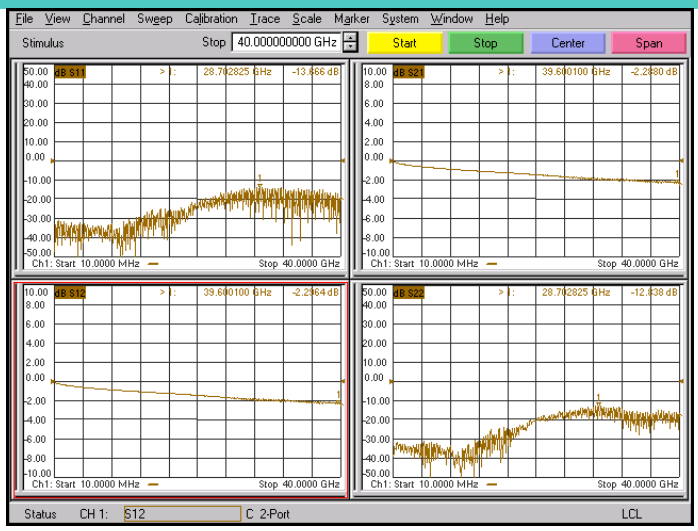
Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-40°C to +125°C

Test Report for Cable assembly



*Note:Test Cable Assembly Length = 200 mm



*Note:Test Cable Assembly Length = 300 mm

Revision History

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