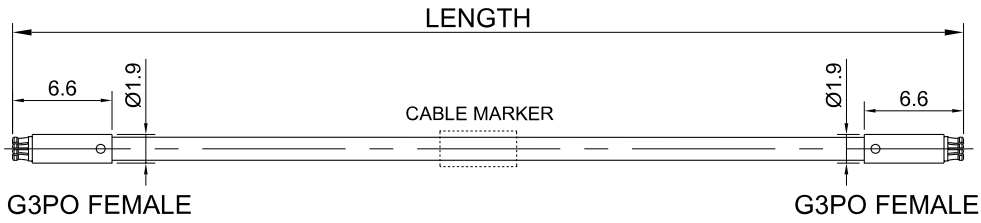
Flexi RF
Reliable RF Components In Stock

Datasheet

P/N: FR701-G3PFG3PF-XXX

G3PO(SMPS) Female to G3PO(SMPS) Female Cable Assembly | .047" Series Semi-Flexible Coax Cable | DC - 100GHz



Dimensions are in mm



Connectors Configuration

	Connector 1	Connector 2
Connector Series	G3PO(SMPS)	G3PO(SMPS)
Connector Polarity	Standard	Standard
Connector Gender	Female	Female
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Beryllium Copper	Beryllium Copper
Connector Body Plating	Gold	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

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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 - 100GHz	8dB to 100GHz	1.62 to 40GHz
200	±3			2.44 to 40GHz
300	±3			3.56 to 40GHz
500	±5			5.82 to 40GHz
1000	±10			9.92 to 40GHz

Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-45°C to +125°C

Revision History

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