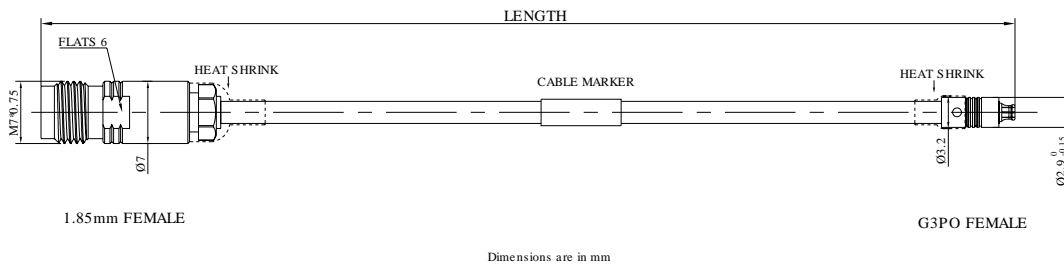


P/N: FR712-185FG3PF-XXX

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

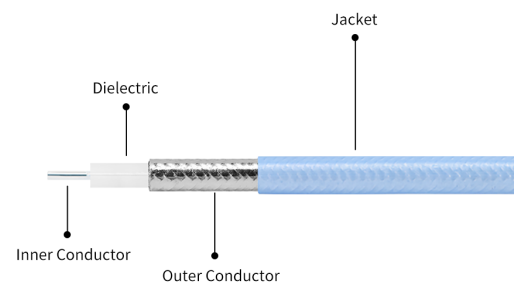


### Connectors Configuration

	Connector 1	Connector 2
Connector Series	1.85mm	G3PO(SMPS)
Connector Polarity	Standard	Standard
Connector Gender	Female	Female
Connector Impedance (Ohm)	50	50
Connector 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



## Electrical Data

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

## Environmental Specifications

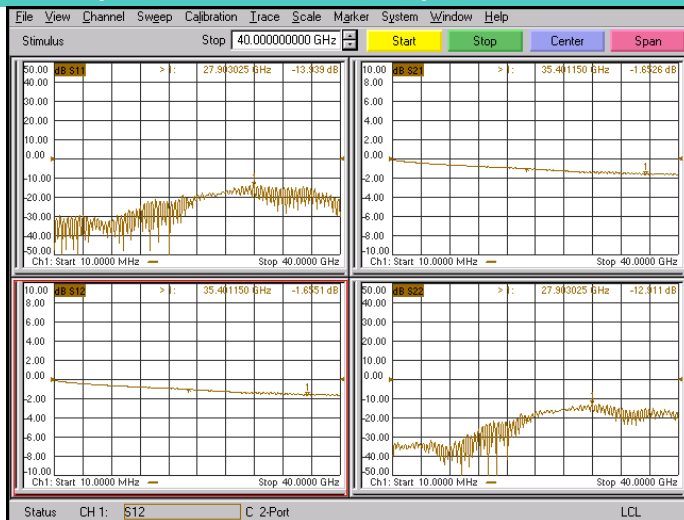
RoHS Compliant

Yes

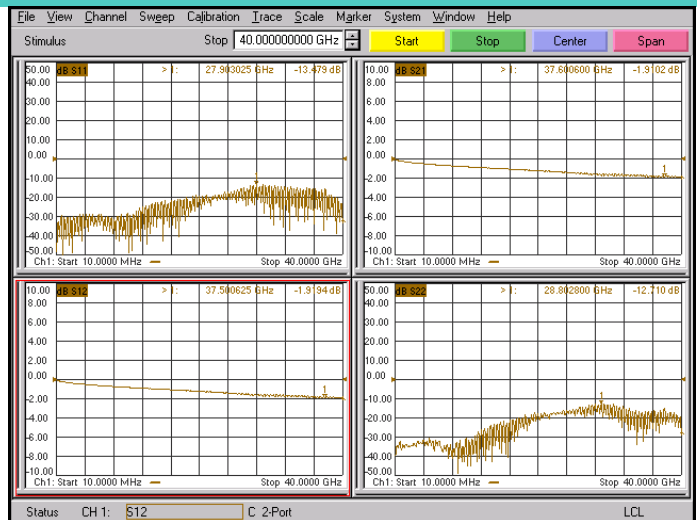
Operating Temperature Range

-40°C to +125°C

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 200 mm



\*Note: Test Cable Assembly Length = 250 mm

## Revision History

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