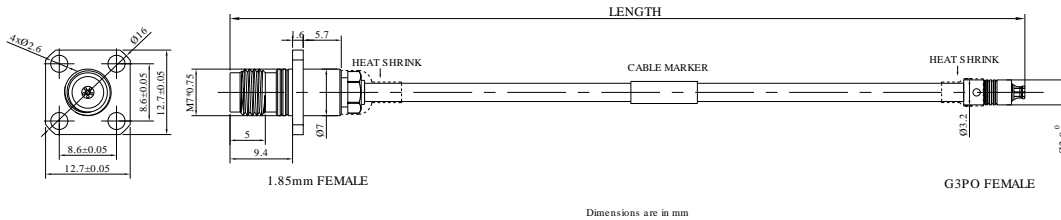


**1.85mm Female with 4 Hole Flange to G3PO (SMPS) Female Cable P/N: FRU2-185FFG3PF-XXX**  
**Using 3506 Series Low Loss Phase Stable Flexible Coax, DC - 67GHz**



## 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	GT3506
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper Wire
Dielectric Material	LD-PTFE
Number of Shields	2
Shield Layer 1 Material	Silver Plated Copper Tape
Shield Layer 2 Material	Silver Plated Copper Braid
Jacket Material	FEP
Jacket Diameter (mm)	2.2
Cable Color	Grey
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	94
Velocity of Propagation	82%
Shielding Effectiveness	> -100dB @ 1GHz

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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 to 67GHz	10dB to 67GHz	1.42 to 67GHz
200	±3			2.01 to 67GHz
300	±5			2.7 to 67GHz
500	±5			3.78 to 67GHz
800	±10			5.60 to 67GHz
1000	±10			6.76 to 67GHz
1500	±15			9.73 to 67GHz
2000	±20			12.5 to 67GHz

## Environmental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-40 °C to +80 °C
MIL/STD	N/A