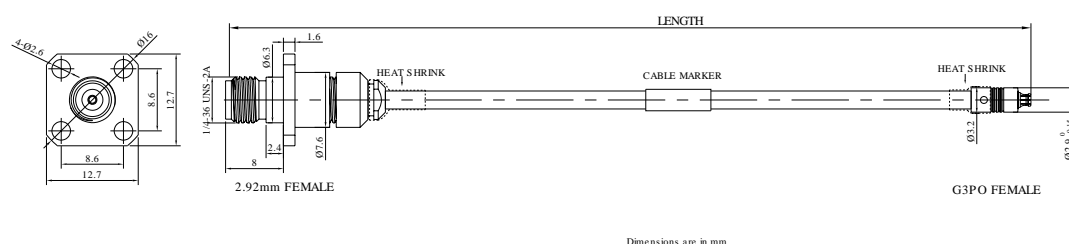


P/N: FRU2-292FFG3PF-XXX

## 2.92mm 4 Hole Flange Female to G3PO(SMPS) Female Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | DC - 40GHz

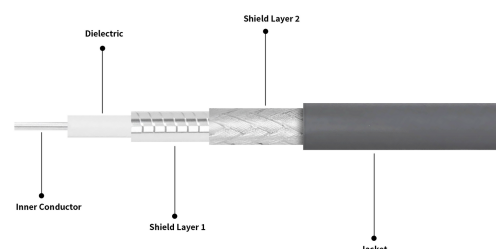


## Connectors Configuration

	Connector 1	Connector 2
Connector Series	2.92mm	G3PO(SMPS)
Connector Polarity	Standard	Standard
Connector Gender	Female	Female
Connector Impedance (Ohm)	50	50
Connector Mount Method	4 Hole Flange	
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Beryllium Copper
Connector Body Plating	Passivated	Gold

## Cable Configuration

Cable Type	GT3506 flexible cable
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
Cable Diameter (mm)	2.2
Cable Color	Gray
Minimum Bend Radius (mm)	11
Capacitance (pF/m)	94
Velocity of Propagation	82%
Shielding Effectiveness	< -100dB @ 1GHz



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**2.92mm 4 Hole Flange Female to G3PO(SMPS) Female Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | DC - 40GHz**

## Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss $\leq$ (dB)
100	$\pm 3$	DC - 40GHz	12dB to 40GHz	1.12 to 40GHz
200	$\pm 3$			1.54 to 40GHz
300	$\pm 5$			2.06 to 40GHz
500	$\pm 5$			2.98 to 40GHz
800	$\pm 10$			4.42 to 40GHz
1000	$\pm 10$			5.32 to 40GHz
1500	$\pm 15$			7.52 to 40GHz
2000	$\pm 20$			9.75 to 40GHz

## Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-55 °C to +125 °C