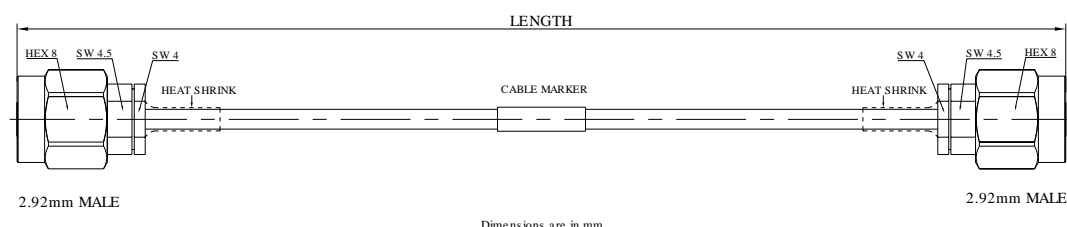


**P/N: GAU2-292M292M-XXX**

## 2.92mm Male to 2.92mm Male Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | DC - 40GHz

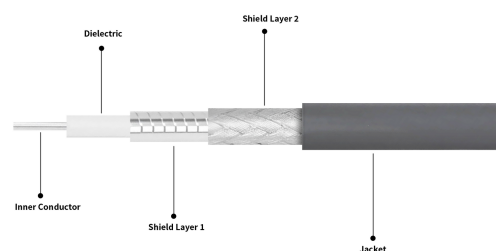


### Connectors Configuration

	Connector 1	Connector 2
Connector Series	2.92mm	2.92mm
Connector Polarity	Standard	Standard
Connector Gender	Male	Male
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Stainless Steel
Connector Body Plating	Passivated	Passivated

### 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
Cable Diameter (mm)	2.2
Cable Color	Grey
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	94
Velocity of Propagation	82%
Shielding Effectiveness	> -100dB @ 1GHz



P/N: GAU2-292M292M-XXX

2.92mm Male to 2.92mm Male Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | DC - 40GHz

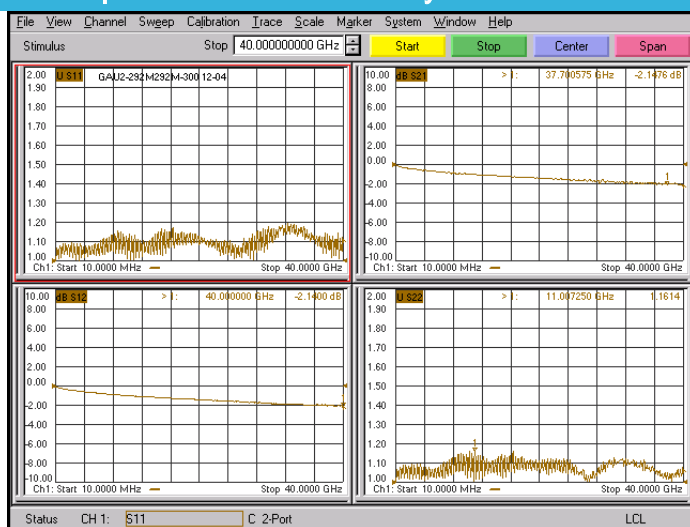
## Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss $\leq$ (dB)
100	$\pm 3$	DC - 40GHz	1.35 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

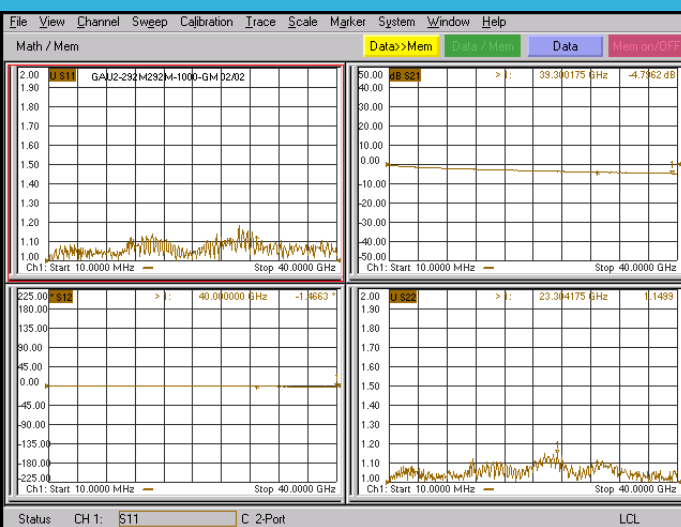
## Enviromental Specifications

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

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 300 mm



\*Note: Test Cable Assembly Length = 1000 mm