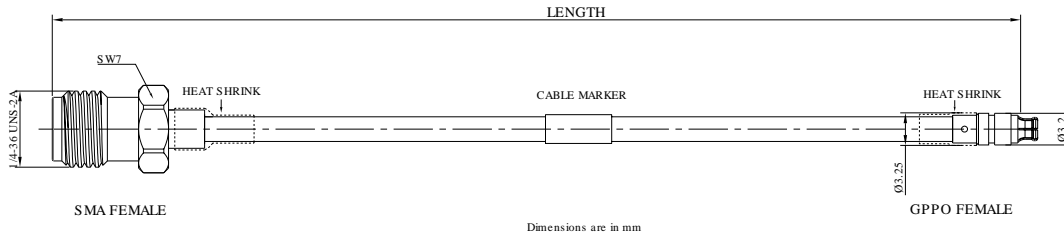


## P/N: FR712-SMFGPPF-XXX

### SMA Female to GPPO(Mini-SMP) Female Cable Assembly | .086" Semi-Flexible Coax Cable with FEP Jacket | DC - 26.5GHz

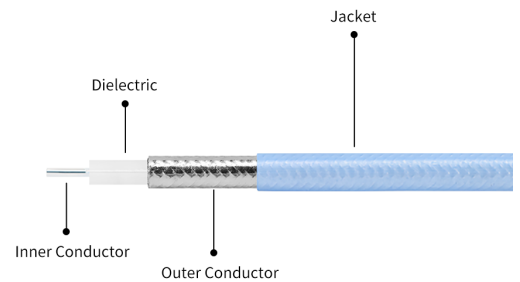


### Connectors Configuration

	Connector 1	Connector 2
Connector Series	SMA	GPPO(Mini-SMP)
Connector Polarity	Standard	Standard
Connector Gender	Female	Female
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Brass	Beryllium Copper
Connector Body Plating	Gold	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 - 26.5GHz	17dB to 18GHz	0.83 to 18GHz
150	$\pm 3$			0.95 to 18GHz
200	$\pm 3$			1.16 to 18GHz
250	$\pm 3$			1.35 to 18GHz
300	$\pm 5$			1.49 to 18GHz
400	$\pm 5$			1.85 to 18GHz
500	$\pm 5$			2.15 to 18GHz

## Environmental Specifications

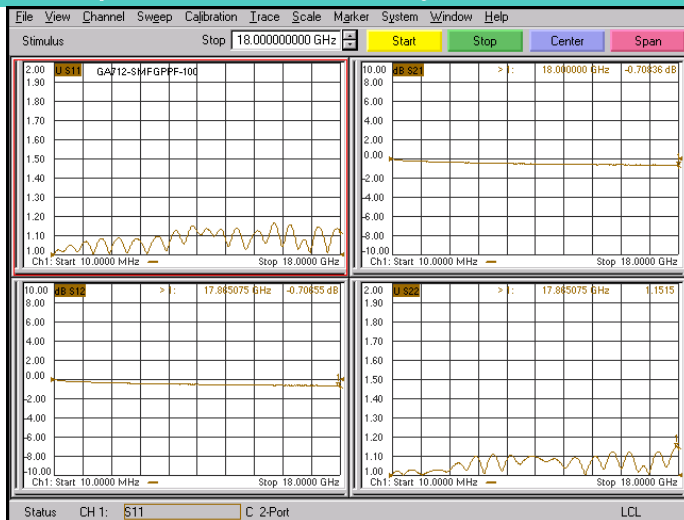
RoHS Compliant

Yes

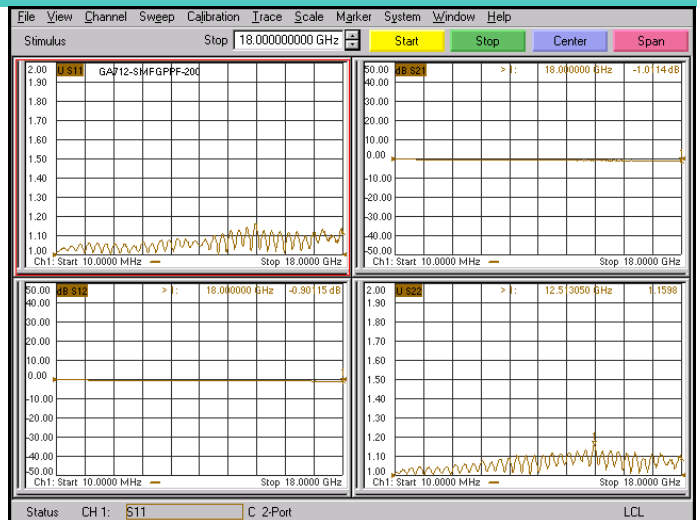
Operating Temperature Range

-40°C to +125°C

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 100 mm



\*Note: Test Cable Assembly Length = 200 mm

## Revision History

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