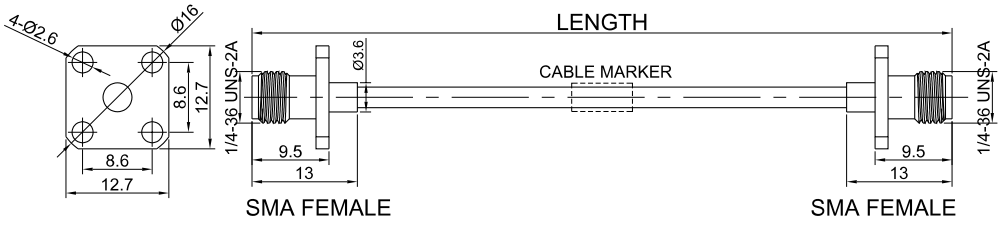
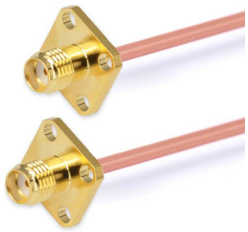
P/N: FR710-SMFFSMFF-XXX

SMA 4 Hole Flange Female to SMA 4 Hole Flange Female Cable Assembly | .086" Semi-Rigid GUT-085 (Copper) Coax Cable | DC - 18GHz



Dimensions are in mm

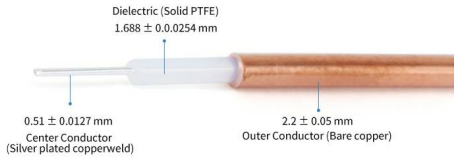


Connectors Configuration

	Connector 1	Connector 2
Connector Series	SMA	SMA
Connector Polarity	Standard	Standard
Connector Gender	Female	Female
Connector Impedance (Ohm)	50.0	50.0
Connector Mount Method	4 Hole Flange	4 Hole Flange
Connector Body Style	Straight	Straight
Connector Body Material	Brass	Brass
Connector Body Plating	Gold	Gold

Cable Configuration

Cable Type	.086" Semi-rigid Cable (Copper)
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver plated copperweld
Dielectric Material	Solid PTFE
Shield Layer 1 Material	Copper
Cable Diameter (mm)	2.2
Cable Color	Cooper
Minimum Bend Radius (mm)	6mm
Capacitance (pF/m)	95
Velocity of Propagation	70%
Shielding Effectiveness	<-120dB @ 1GHz



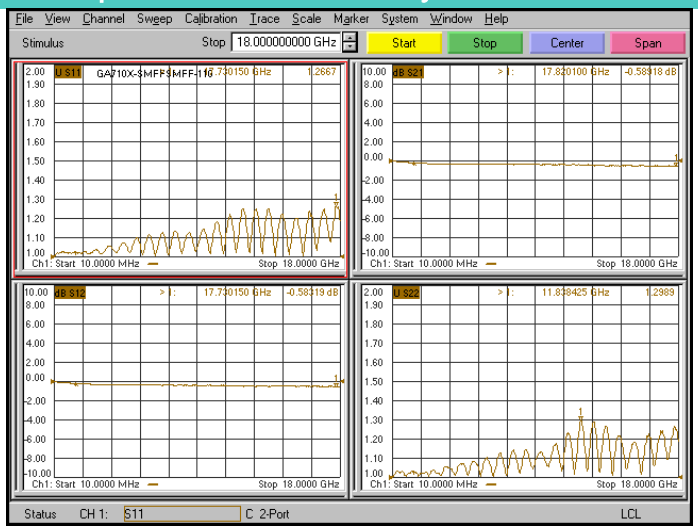
Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 18GHz	1.60 to 18GHz	0.83
150	±3			1.0
200	±3			1.16
250	±3			1.33
300	±3			1.49
400	±5			1.82
500	±5			2.15

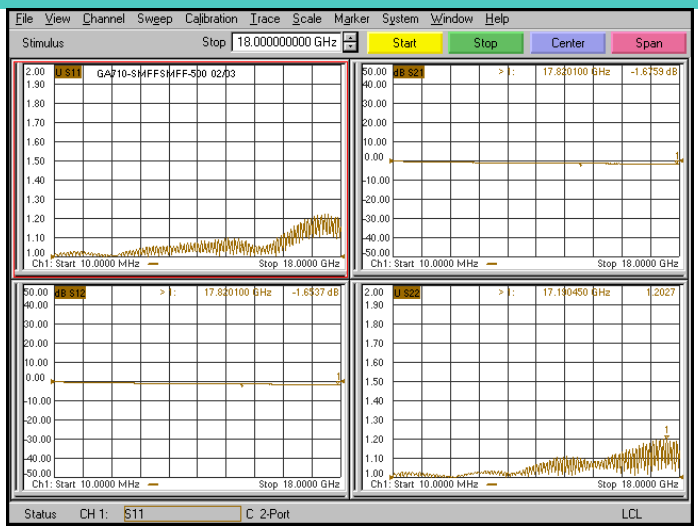
Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-45 ºC to +85 ºC

Test Report for Cable assembly



*Note:Test Cable Assembly Length =110 mm



*Note:Test Cable Assembly Length = 500 mm

Revision History

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

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