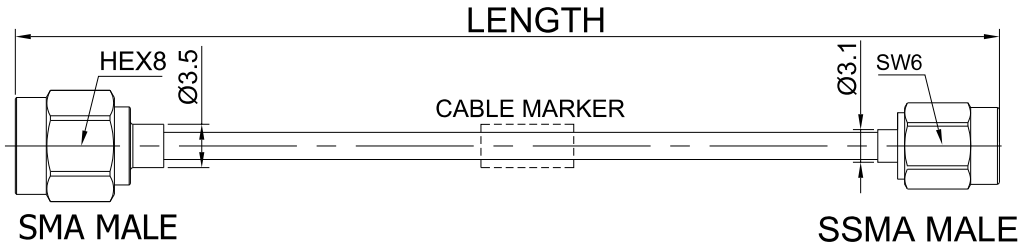
P/N: FR711-SMMSSMAM-XXX

SMA Male to SSMA Male Cable Assembly | .086" Semi-Flexible Coax Cable Without FEP Jacket | DC - 18GHz



Dimensions are in mm

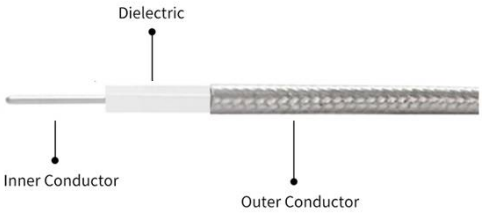


Connectors Configuration

	Connector 1	Connector 2
Connector Series	SMA	SSMA
Connector Polarity	Standard	Standard
Connector Gender	Male	Male
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Brass
Connector Body Plating	Passivated	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
Number of Shields	1
Shield Layer 1 Material	Tin Plated Copper
Cable Diameter (mm)	2.2
Cable Color	Silver
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	94
Velocity of Propagation	71%
Shielding Effectiveness	< -110dB @ 1GHz



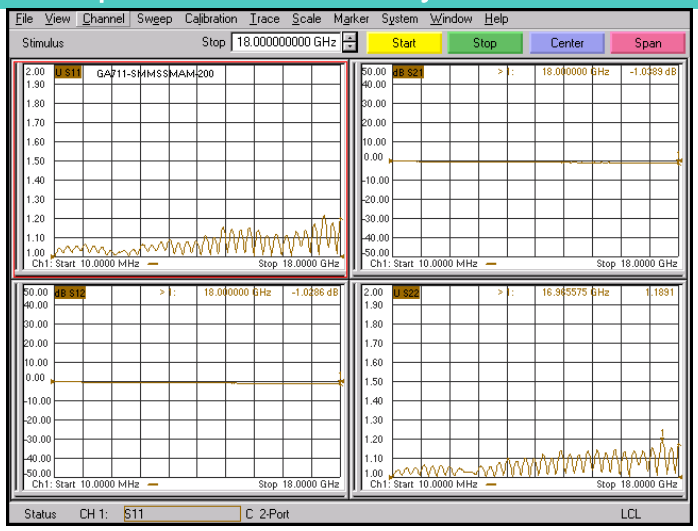
Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 18GHz	≤ 1.25	0.83
150	±3			0.99
200	±3			1.16
250	±3			1.34
300	±3			1.49
400	±5			1.82
500	±5			2.15

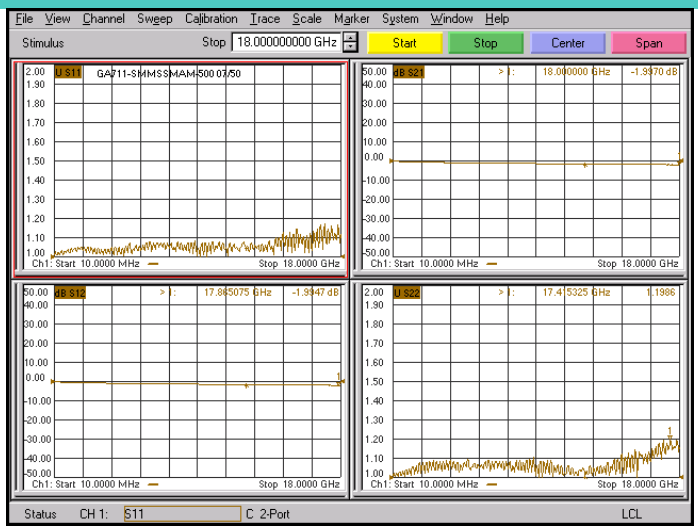
Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-40°C to +125°C

Test Report for Cable assembly



*Note:Test Cable Assembly Length = 200 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