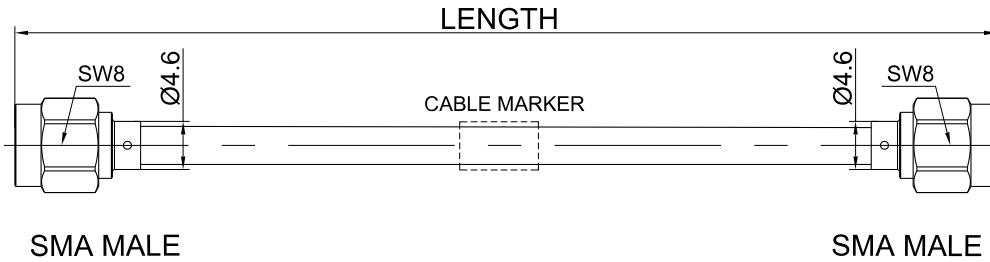


P/N: FR721-SMMSMM-XXX

SMA Male to SMA Male Cable Assembly | .141" Semi-flexible Cable without Jacket | DC-18GHz



Dimensions are in mm

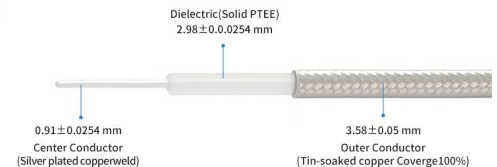


## Connectors Configuration

	Connector 1	Connector 2
Connector Series	SMA	SMA
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	Semi-flexible
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper Covered Steel (SCCS)
Dielectric Material	PTFE
Number of Shields	1
Shield Layer 1 Material	Tin-soaked, Tin Plated Copper (T)
Cable Diameter (mm)	3.6
Cable Color	Silver
Minimum Bend Radius (mm)	10
Capacitance (pF/m)	94
Velocity of Propagation	71%
Shielding Effectiveness	>100dB



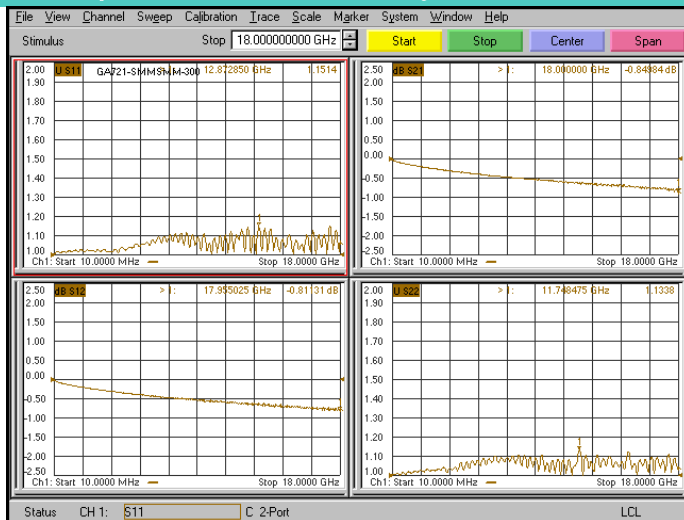
## Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss $\leq$ (dB)
100	$\pm 3$	DC-18GHz	1.3	0.59
200	$\pm 3$			0.79
300	$\pm 5$			0.99
400	$\pm 5$			1.19
500	$\pm 5$	DC-18GHz		1.38

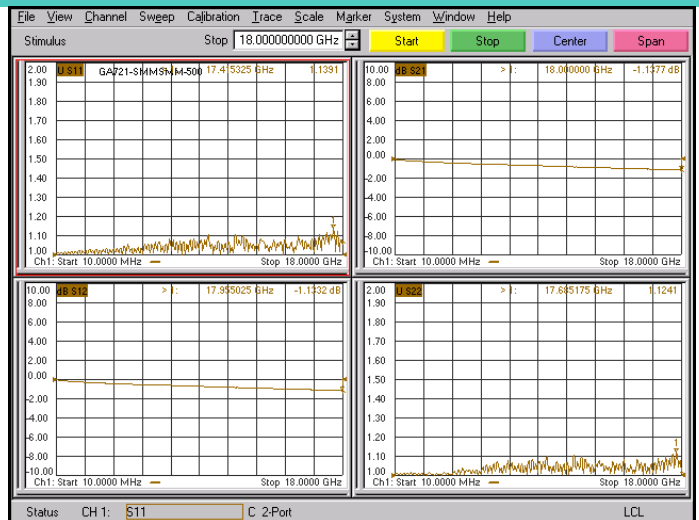
## Environmental Specifications

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

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 300 mm



\*Note: Test Cable Assembly Length = 500 mm

## Revision History

Version	Description	Prepared By	Approved By	Date
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