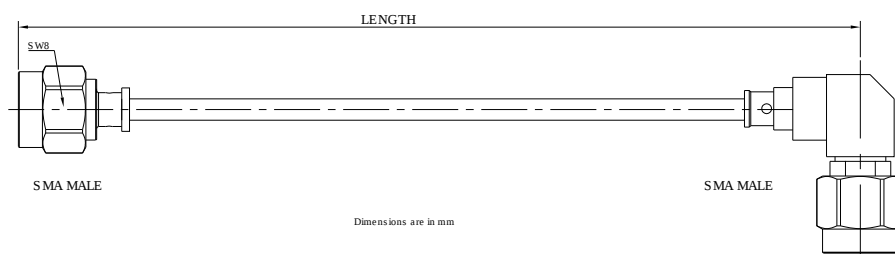


P/N: FR711-SMMSMWM-XXX-18G

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

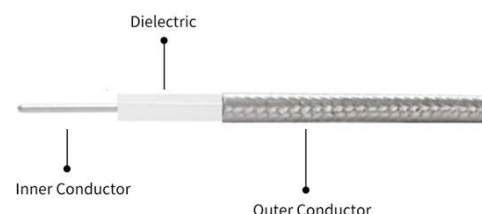


Connectors Configuration

	Connector 1	Connector 2
Connector Series	SMA	SMA
Connector Polarity	Standard	Standard
Connector Gender	Male	Male
Connector Impedance (Ohm)	50	50
Connector Mount Method		None
Connector Body Style	Straight	Right Angle
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 Wire
Dielectric Material	PTFE
Number of Shields	1
Shield Layer 1 Material	Tin Plated Copper
Cable Diameter (mm)	2.2
Cable Color	Silver
Minimum Bend Radius (mm)	6mm
Capacitance (pF/m)	94
Velocity of Propagation	71%
Shielding Effectiveness	> -110dB @ 1GHz



P/N: FR711-SMMSMWM-XXX-

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

Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss $\leq$ (dB)
100	± 3	DC - 18GHz	1.35 to 18GHz	0.83 to 18GHz
150	± 3			0.95 to 18GHz
200	± 3			1.16 to 18GHz
250	± 3			1.35 to 18GHz
300	± 5			1.49 to 18GHz
400	± 5			1.85 to 18GHz
500	± 5			2.15 to 18GHz

Enviromental Specifications

RoHS Compliant

Yes

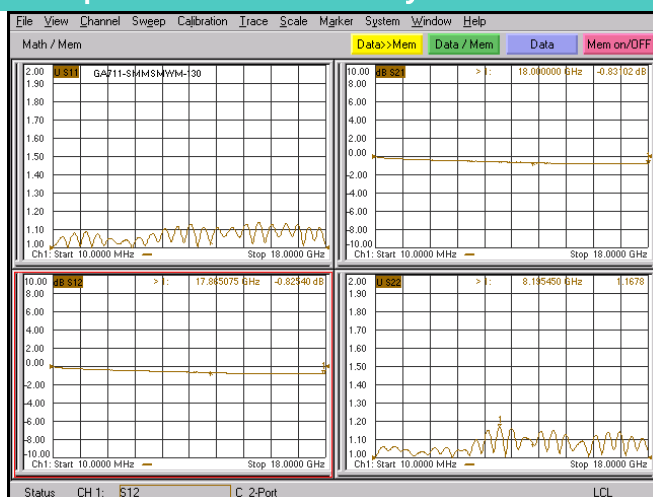
Operating Temperature Range

-55 °C to +165 °C

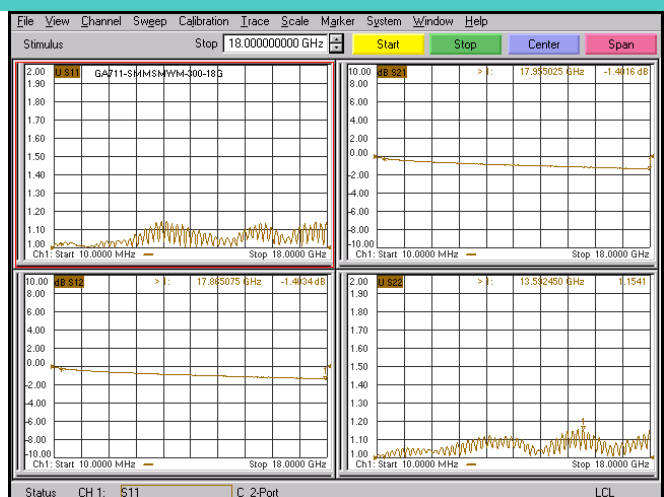
MIL/STD

N/A

Test Report for Cable assembly



*Note: Test Cable Assembly Length = 130 mm



*Note: Test Cable Assembly Length = 300 mm