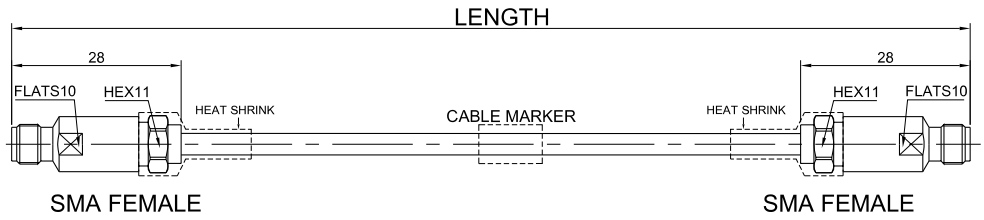
Datasheet

P/N: GAA2-SMFSMF-XXX

SMA Female to SMA Female Cable Assembly | 311A Series Low-Loss Phase-Stable Microwave Coaxial Cable | OD 7.9mm | DC - 18GHz



Dimensions are in mm

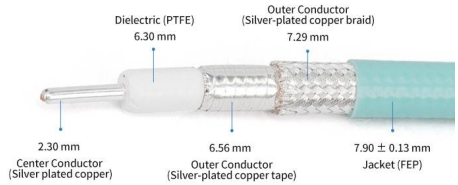


Connectors Configuration

	Connector 1	Connector 2
Connector Series	SMA	SMA
Connector Polarity	Standard	Standard
Connector Gender	Female	Female
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Stainless Steel
Connector Body Plating	Passivated	Passivated

Cable Configuration

Cable Type	311A Low Loss Flexible Cable
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper (SPC)
Dielectric Material	LD-PTFE
Number of Shields	2
Shield Layer 1 Material	Silver-plated copper tape
Shield Layer 2 Material	Silver-plated copper braid
Jacket Material	FEP
Cable Diameter (mm)	7.9
Cable Color	Turquoise
Minimum Bend Radius (mm)	31.75
Capacitance (pF/m)	80
Velocity of Propagation	82%
Shielding Effectiveness	<-100dB



Gwave Technology Inc

(888)251-2240

87 Patricia Ct, Mountain View, CA 94041

sales@gwavetech.com

www.gwavetech.com

P/N: GAA2-SMFSMF-XXX

SMA Female to SMA Female Cable Assembly | 311A Series Low-Loss Phase-Stable Microwave Coaxial Cable | OD 7.9mm | DC - 18GHz

Electrical Data

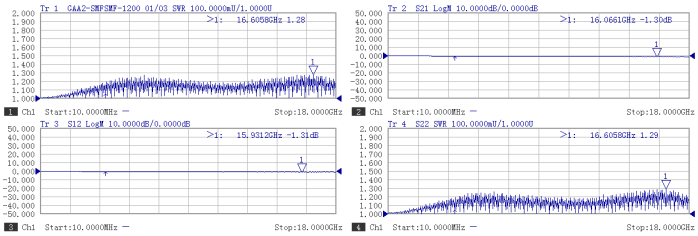
Electrical Specifications for Different Length

Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
500	±5	DC-18GHz	<1.35	0.80
600	±5			0.89
800	±10			1.07
1000	±10			1.25
1500	±15			1.65
2000	±20			2.05
3000	±30			2.75
5000	±50			4.15

Enviromental Specifications

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

Test Report for Cable assembly



	SweepType	Start Frequency	Stop Frequency	Points	IF BW(Hz)	SweepTime(s)	Port1,2Power(dBm)
Ch1	LIN_SWEEP	0.010000000GHz	18.000000000GHz	401	1000	0.388009	-5.0,-5.0

		Marker	Delta	Stimulus	Response
Win1					
Trace1	S11	1		16.6057GHz	1.281
Win2					
Trace2	S21	1		16.0660GHz	-1.296dB
Win3					
Trace3	S12	1		15.9311GHz	-1.308dB
Win4					
Trace4	S22	1		16.6057GHz	1.291

**Note:Test Cable Assembly Length = 1200 mm*