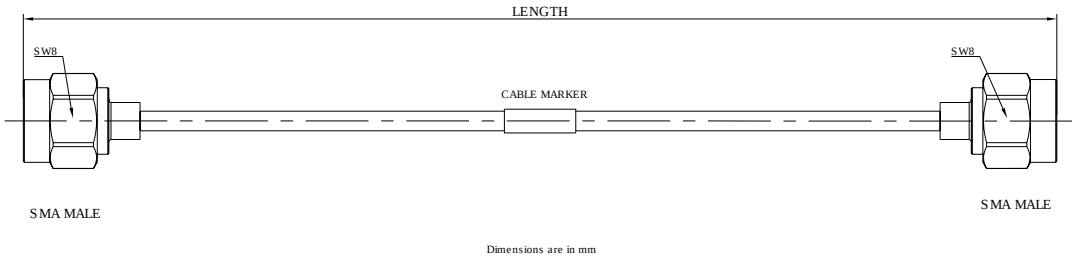
Datasheet

P/N: GA710C2-SMMSMM-XXX

SMA Male to SMA Male Cable Assembly | .086" Semi-Rigid Stainless Steel Coax Cable | Cryogenic | DC - 26.5GHz





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	.086" Semi-rigid Cable (Stainless Steel)
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver plated copperweld
Dielectric Material	Solid PTFE
Shield Layer 1 Material	304 Stainless Steel
Cable Diameter (mm)	2.2
Cable Color	Steel color
Minimum Bend Radius (mm)	6mm
Capacitance (pF/m)	95.2
Velocity of Propagation	70%
Shielding Effectiveness	<-120dB @ 1GHz

P/N: GA710C2-SMMSMM-XXX

SMA Male to SMA Male Cable Assembly | .086" Semi-Rigid Stainless Steel Coax Cable | Cryogenic | DC - 26.5GHz

Electrical Data

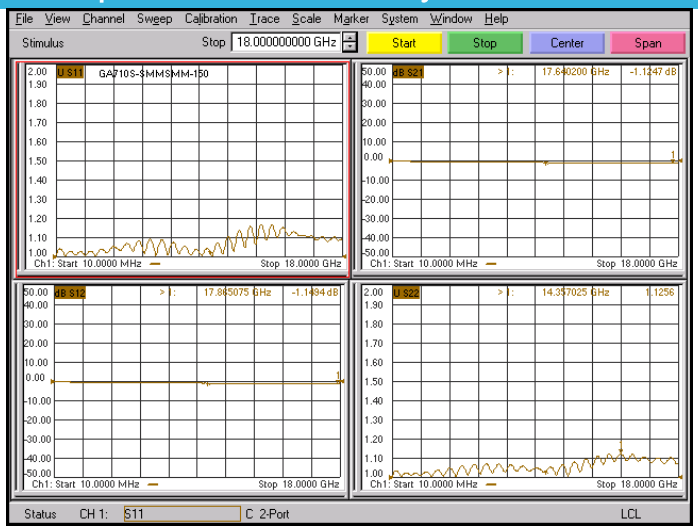
Electrical Specifications for Different Length

Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 18GHz	1.25 to 18GHz	0.83
150	±3			1.0
200	±3			1.16
250	±3			1.33
300	±5			1.49
400	±5			1.82
500	±5			2.15
800	±10			
1000	±10			

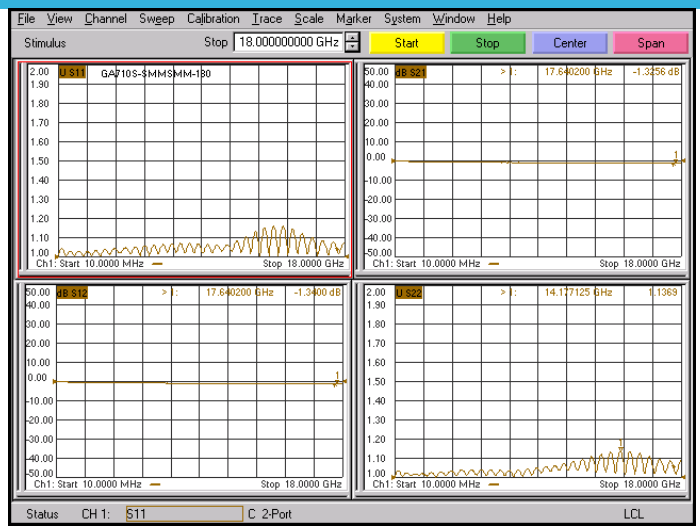
Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-65°C to +165°C

Test Report for Cable assembly



*Note:Test Cable Assembly Length = 150 mm



*Note:Test Cable Assembly Length = 180 mm

Gwave Technology Inc

(888)251-2240

87 Patricia Ct, Mountain View, CA 94041

sales@gwavetech.com

www.gwavetech.com