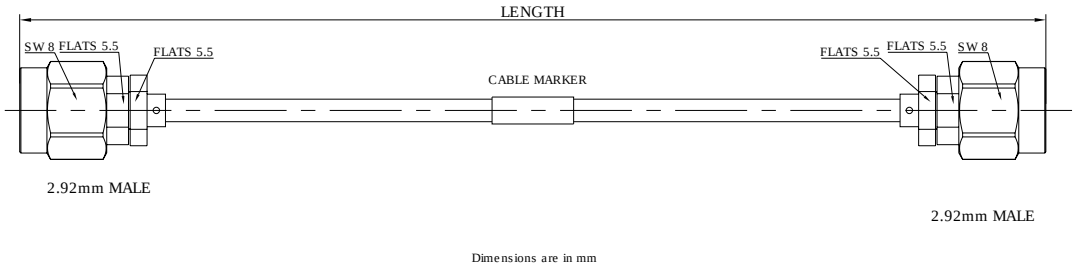
P/N: FR710C2-292M292M-XXX

2.92mm Male to 2.92mm Male Cable Assembly | .086" Semi-Rigid Stainless Steel Coax Cable | Cryogenic | DC - 40GHz





Connectors Configuration

	Connector 1	Connector 2
Connector Series	2.92mm	2.92mm
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

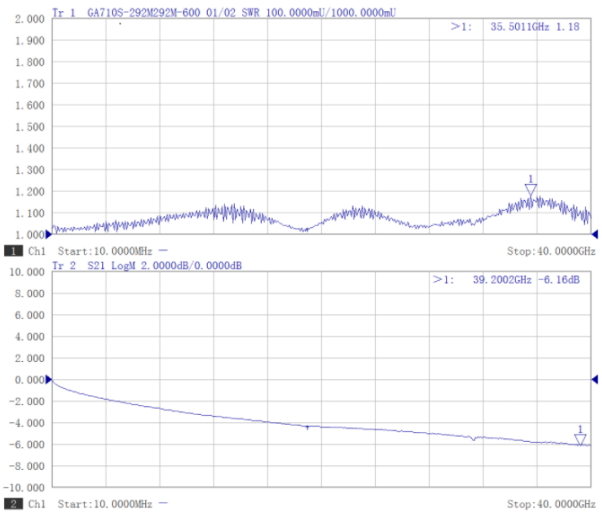
Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 40GHz	1.35 to 40GHz	1.32
150	±3			1.63
200	±3			1.94
250	±3			2.3
300	±3			2.56
400	±5			3.21
500	±5			3.82
800	±5			
1000	±10			

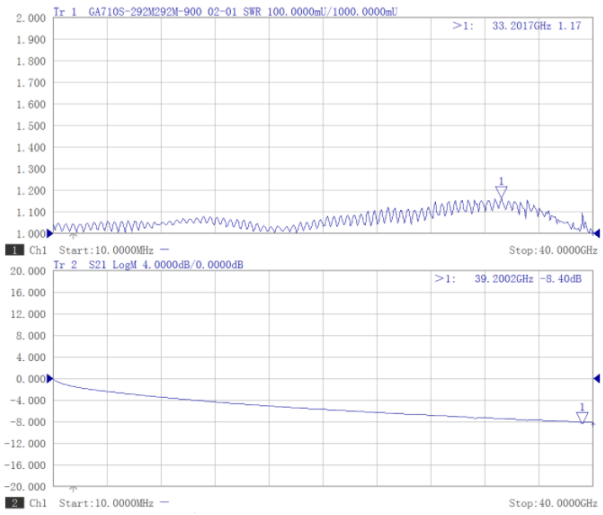
Enviromental Specifications

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

Test Report for Cable assembly



*Note:Test Cable Assembly Length = 600 mm



*Note:Test Cable Assembly Length = 900 mm

Revision History

Version	Description	Prepared By	Approved By	Date
V1.0	Initial release	Grimm	Hebe	2024-01-01