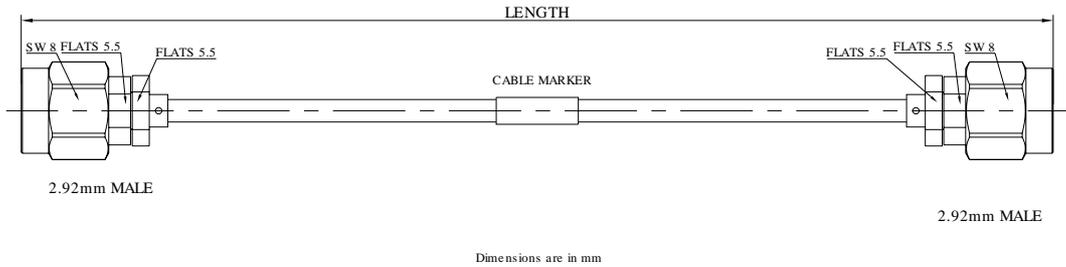


P/N: FR710C2-292M292M-XXX

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 (Copper)
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver plated copperweld
Dielectric Material	Solid PTFE
Shield Layer 1 Material	Copper
Cable Diameter (mm)	2.2
Cable Color	Cooper
Minimum Bend Radius (mm)	6mm
Capacitance (pF/m)	95
Velocity of Propagation	70%
Shielding Effectiveness	<-120dB @ 1GHz

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

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	±5			2.56
400	±5			3.21
500	±5			3.82
800	±10			
1000	±10			

Environmental Specifications

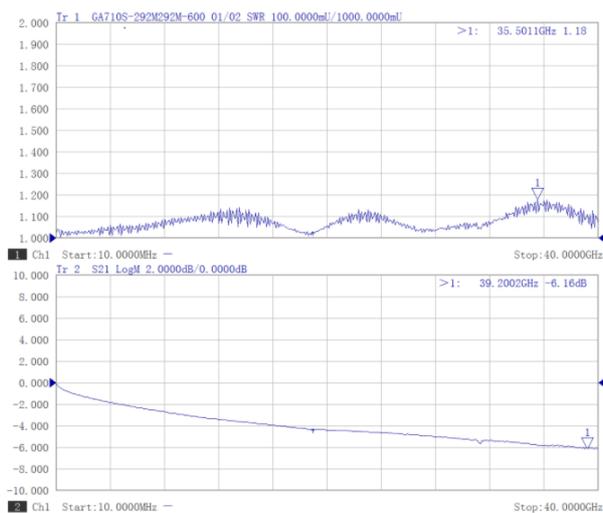
RoHS Compliant

Yes

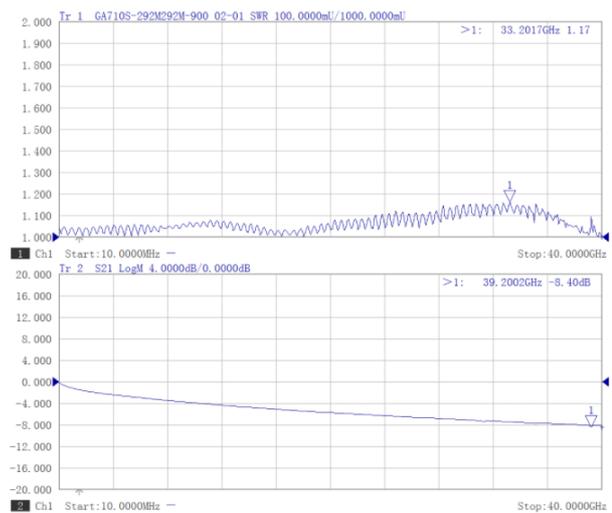
Operating Temperature Range

-65°C to +165°C

Test Report for Cable assembly



*Note: Test Cable Assembly Length = 600 mm



*Note: Test Cable Assembly Length = 900 mm