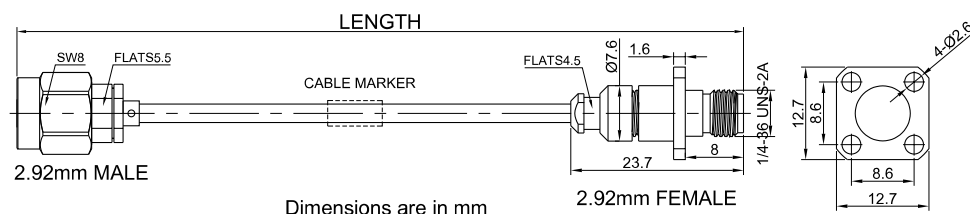


P/N: FR710-292M292FF-XXX

2.92mm Male to 2.92mm 4 Hole Flange Female Cable Assembly | .086" Semi-Rigid GUT-085 (Copper) Coax Cable | DC - 40GHz

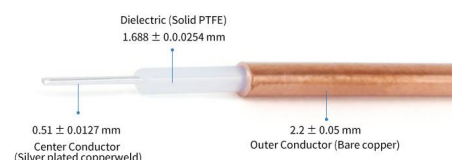


Connectors Configuration

	Connector 1	Connector 2
Connector Series	2.92mm	2.92mm
Connector Polarity	Standard	Standard
Connector Gender	Male	Female
Connector Impedance (Ohm)	50	50
Connector Mount Method	None	4 Hole Flange
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	Copper
Minimum Bend Radius (mm)	6mm
Capacitance (pF/m)	95
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 $\leq$ (dB)
100	± 3	DC - 40GHz	1.4	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
1000	± 10			6.92

Enviromental Specifications

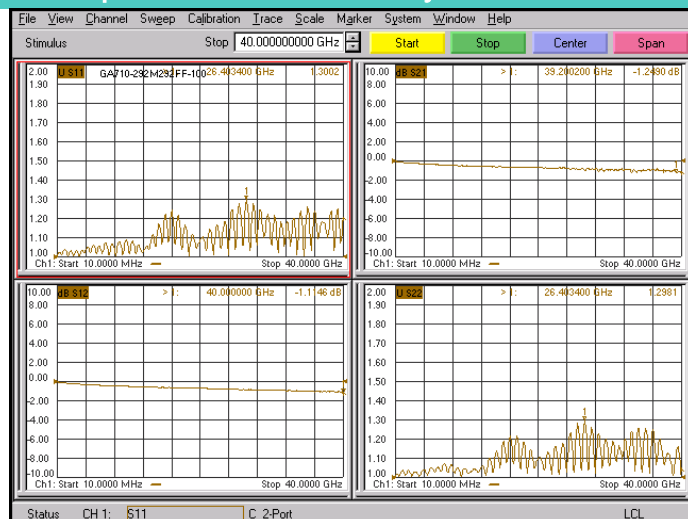
RoHS Compliant

Yes

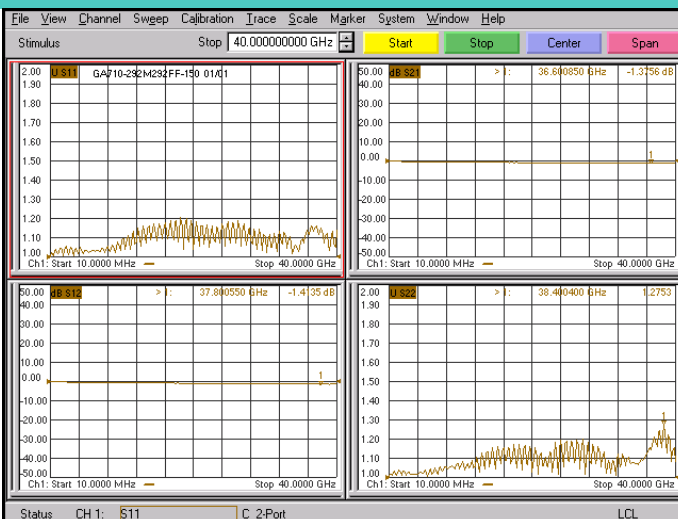
Operating Temperature Range

-45 °C to +85 °C

Test Report for Cable assembly



*Note: Test Cable Assembly Length = 100 mm



*Note: Test Cable Assembly Length = 150 mm

Revision History

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