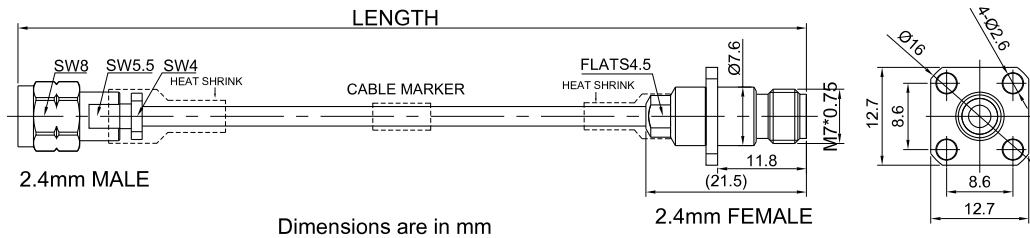


P/N: FR712-24M24FF-XXX

2.4mm Male to 2.4mm 4 Hole Flange Female Cable Assembly | .086" Semi-Flexible Coax Cable with FEP Jacket | DC - 50GHz



Connectors Configuration

	Connector 1	Connector 2
Connector Series	2.4mm	2.4mm
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-Flexible cable
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper Covered Steel (SCCS)
Dielectric Material	Solid extruded PTFE
Shield Layer 1 Material	Tin Plated Copper
Jacket Material	FEP
Cable Diameter (mm)	2.54
Cable Color	Blue
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	94
Velocity of Propagation	71%
Shielding Effectiveness	< -110dB @ 1GHz

Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss \leq (dB)
100	± 3	DC - 50GHz	1.4 to 50GHz	1.40 to 50GHz
150	± 3			1.75 to 50GHz
200	± 3			2.10 to 50GHz
250	± 3			2.45 to 50GHz
300	± 5			2.80 to 50GHz
400	± 5			3.45 to 50GHz
500	± 5			4.10 to 50GHz

Environmental Specifications

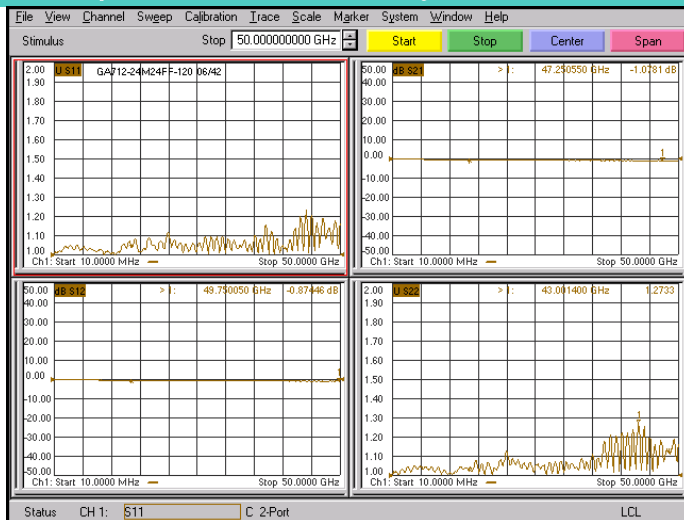
RoHS Compliant

Yes

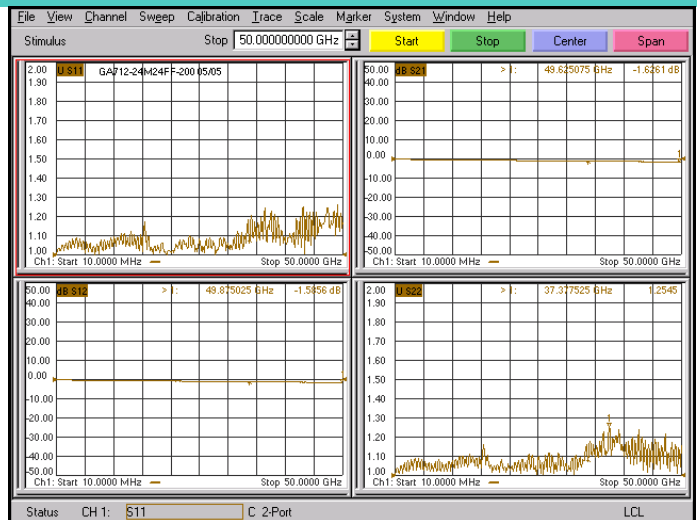
Operating Temperature Range

-40°C to +125°C

Test Report for Cable assembly



*Note: Test Cable Assembly Length = 120 mm



*Note: Test Cable Assembly Length = 200 mm

Revision History

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