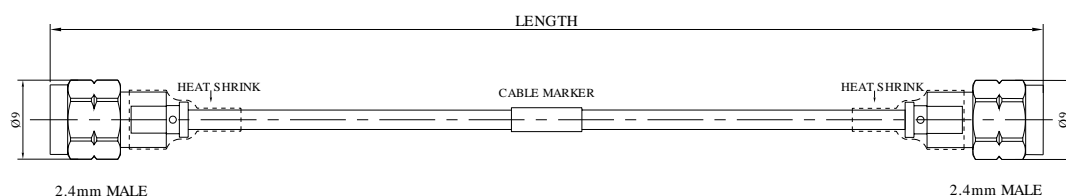


2.4mm Male to 2.4mm Male Cable Assembly | 3506 Series Low Loss P/N: FRU2-24M24M-XXX Phase Stable Flexible Coax Cable | DC - 50GHz



Dimensions are in mm

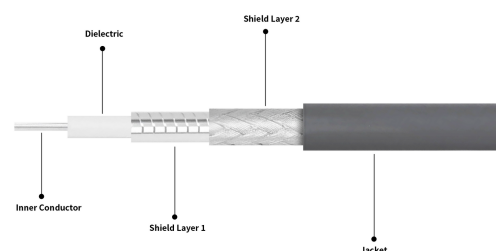


Connectors Configuration

	Connector 1	Connector 2
Connector Series	2.4mm	2.4mm
Connector Polarity	Standard	Standard
Connector Gender	Male	Male
Connector Impedance (Ohm)	50	50
Connector Mount Method		None
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Stainless Steel
Connector Body Plating	Passivated	Passivated

Cable Configuration

Cable Type	GT3506
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper Wire
Dielectric Material	LD-PTFE
Number of Shields	2
Shield Layer 1 Material	Silver Plated Copper Tape
Shield Layer 2 Material	Silver Plated Copper Braid
Jacket Material	FEP
Cable Diameter (mm)	2.2
Cable Color	Grey
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	94
Velocity of Propagation	82%
Shielding Effectiveness	> -100dB @ 1GHz



2.4mm Male to 2.4mm Male Cable Assembly | 3506 Series Low Loss P/N: FRU2-24M24M-XXX Phase Stable Flexible Coax Cable | DC - 50GHz

Electrical Specifications for Different Length

Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 50GHz	1.44 to 50GHz	1.15 to 50GHz
200	±3			1.45 to 50GHz
300	±5		1.44 to 50GHz	2.1 to 50GHz
500	±5			3.32 to 50GHz
800	±10			5.0 to 50GHz
1000	±10			5.78 to 50GHz
1500	±15			8.53 to 50GHz
2000	±20			10.94 to 50GHz

Enviromental Specifications

RoHS Compliant

Yes

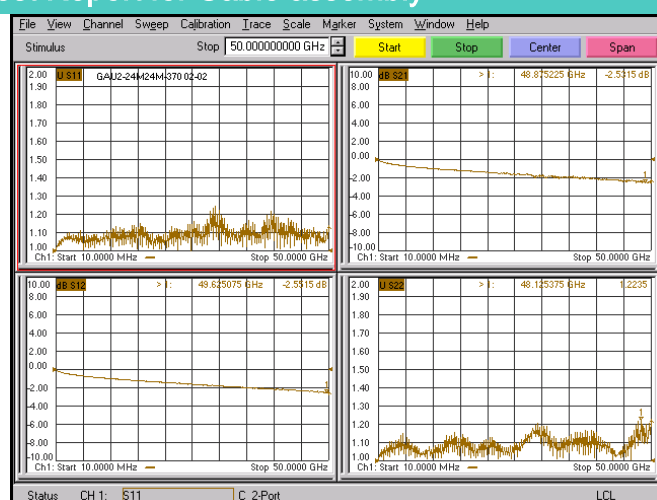
Operating Temperature Range

-40 °C to +80 °C

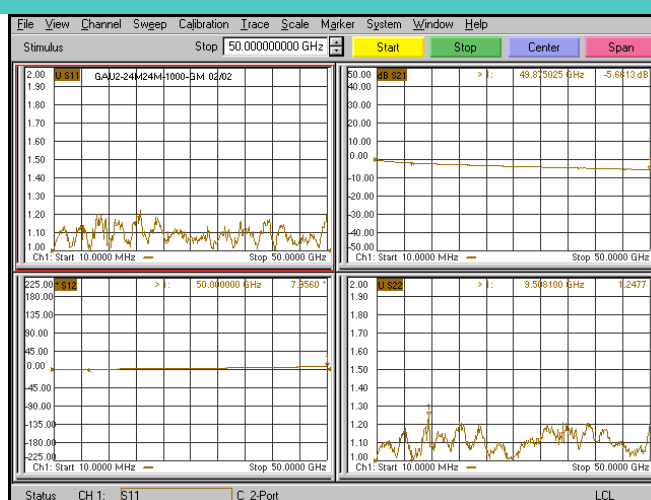
MIL/STD

N/A

Test Report for Cable assembly



*Note: Test Cable Assembly Length = 370 mm



*Note: Test Cable Assembly Length = 1000 mm