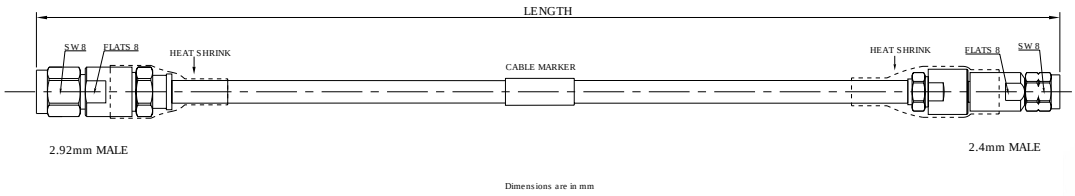
Flexi RF
Reliable RF Components In Stock

Datasheet

P/N: FRU3-292M24M-XXX

2.92mm Male to 2.4mm Male RF Cable Assembly | 3507 Series Low Loss Phase Stable Flexible Coax | DC–40GHz | 2.8dB/m @40GHz | Ø3.6mm



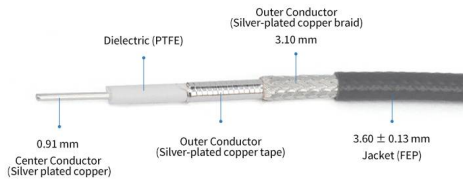


Connectors Configuration

	Connector 1	Connector 2
Connector Series	2.92mm	2.4mm
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	3507 Series Flexible cable
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver plated copper
Dielectric Material	ePTFE
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)	3.6
Cable Color	Gray
Minimum Bend Radius (mm)	12.7mm
Capacitance (pF/m)	86
Velocity of Propagation	82%
Shielding Effectiveness	>100dB



Flexi RF Inc

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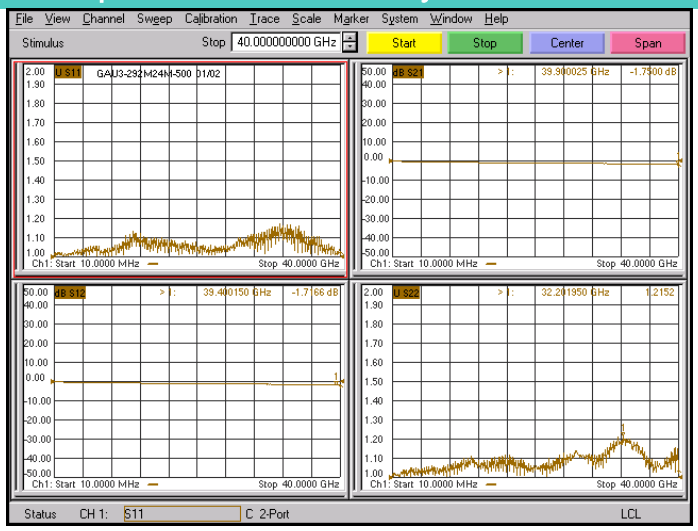
Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
500	±5	DC-40GHz	1.35 to 40GHz	1.86dB to 40GHz
600	±5			2.12dB to 40GHz
700	±5			1.99dB to 40GHz
800	±5			2.72dB to 40GHz
900	±5			2.94dB to 40GHz
1000	±10			3.16dB to 40GHz
1500	±15			4.46dB to 40GHz
2000	±20			5.76dB to 40GHz
3000	±30			8.36dB to 40GHz

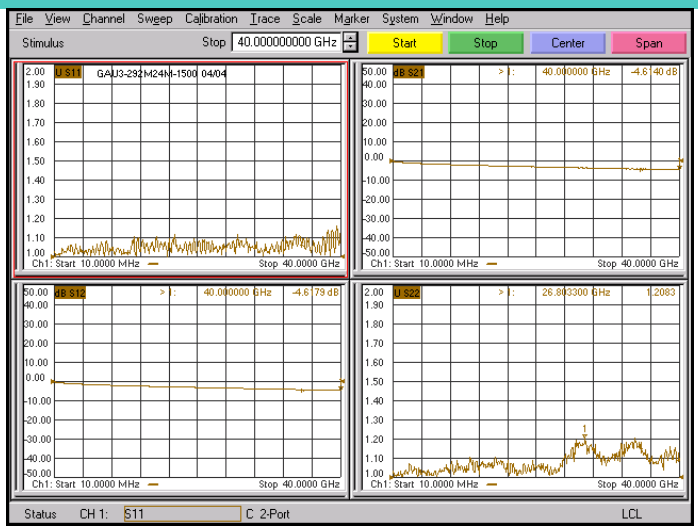
Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-55°C to +125°C

Test Report for Cable assembly



*Note:Test Cable Assembly Length = 500 mm



*Note:Test Cable Assembly Length = 1500 mm

Revision History

Version	Description	Prepared By	Approved By	Date