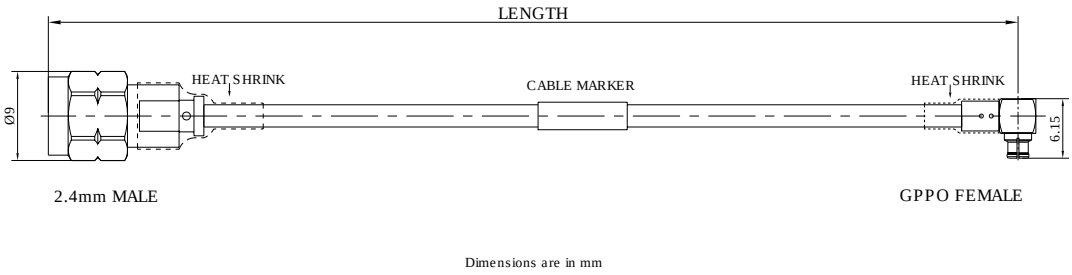
Flexi RF
Reliable RF Components In Stock

Datasheet

P/N: FRU2-24MGPPWF-XXX

2.4mm Male to GPPO(Mini-SMP) Right Angle Female Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | Cable Dia.2.2mm | DC - 50GHz



Dimensions are in mm

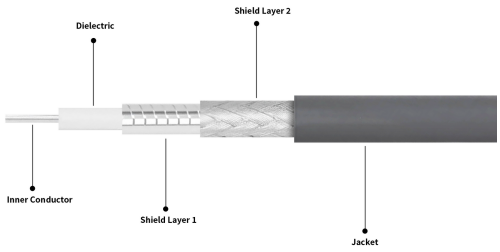


Connectors Configuration

	Connector 1	Connector 2
Connector Series	2.4mm	GPPO(Mini-SMP)
Connector Polarity	Standard	Standard
Connector Gender	Male	Female
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Right Angle
Connector Body Material	Stainless Steel	Beryllium Copper
Connector Body Plating	Passivated	Gold

Cable Configuration

Cable Type	GT3506 flexible cable
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	Gray
Minimum Bend Radius (mm)	11
Capacitance (pF/m)	94
Velocity of Propagation	82%
Shielding Effectiveness	< -100dB @ 1GHz



Flexi RF Inc

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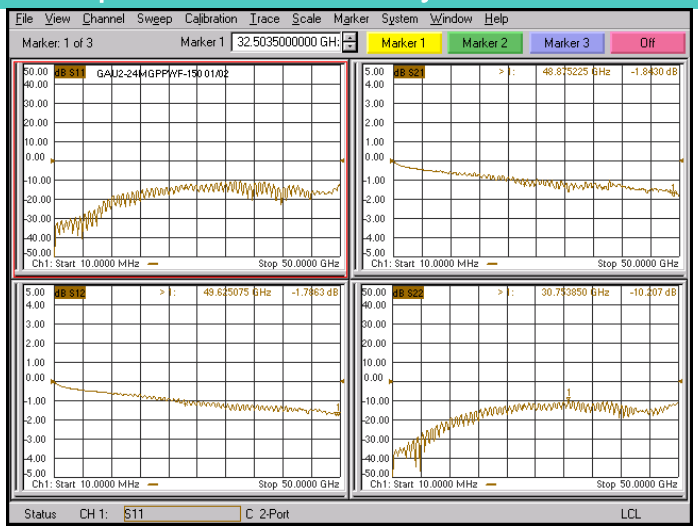
Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 50GHz	10dB to 50GHz	1.57 to 50GHz
150	±3			1.82 to 50GHz
200	±3			2.07 to 50GHz
250	±3			2.32 to 50GHz
300	±3			2.57 to 50GHz
400	±5			3.07 to 50GHz
500	±5			3.58 to 50GHz
600	±5			4.08 to 50GHz
800	±5	DC - 50GHz	10dB to 50GHz	5.08 to 50GHz
1000	±10			6.09 to 50GHz
1500	±15			8.6 to 50GHz

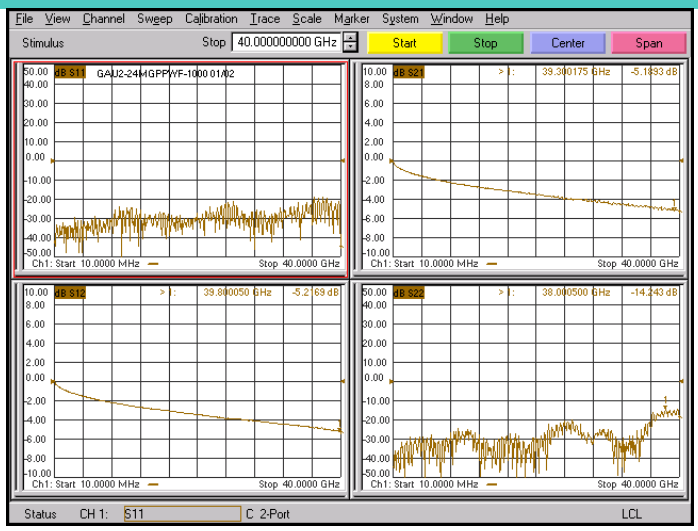
Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-40°C to +165°C

Test Report for Cable assembly



*Note:Test Cable Assembly Length = 150 mm



*Note:Test Cable Assembly Length = 1000 mm

Revision History

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

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