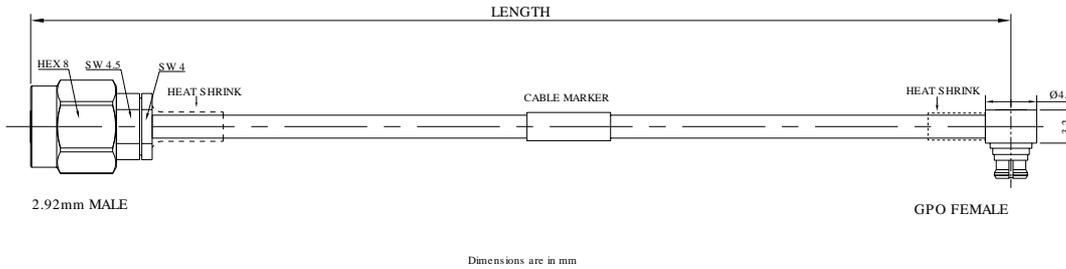**Flexi RF**

Reliable RF Components In Stock

P/N: FRU2-292MGPWF-XXX

2.92mm Male to GPO(SMP) Right Angle Female Cable Assembly | 3506 Series Low Loss Phase Stable Flexible Coax Cable | DC - 18GHz
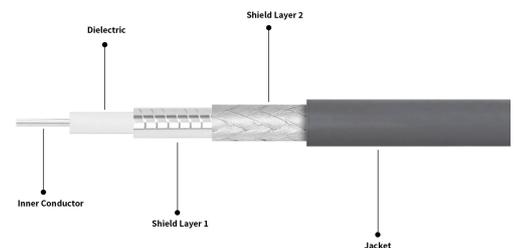

Dimensions are in mm

Connectors Configuration

	Connector 1	Connector 2
Connector Series	2.92mm	GPO(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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Datasheet

Electrical Data

Electrical Specifications for Different Length

Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3			0.75 to 18GHz
200	±3			1.06 to 18GHz
300	±5			1.36 to 18GHz
500	±5	DC - 18GHz	15dB to 18GHz	1.94 to 18GHz
800	±10			2.83 to 18GHz
1000	±10			3.35 to 18GHz

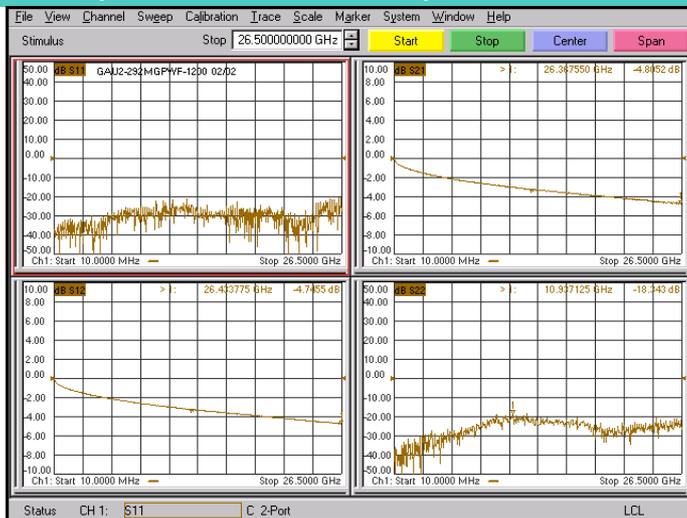## Enviromental Specifications

RoHS Compliant

Yes

Operating Temperature Range

-55 ºC to +125 ºC

Test Report for Cable assembly

Note:Test Cable Assembly Length = 1200 mm

Revision History

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