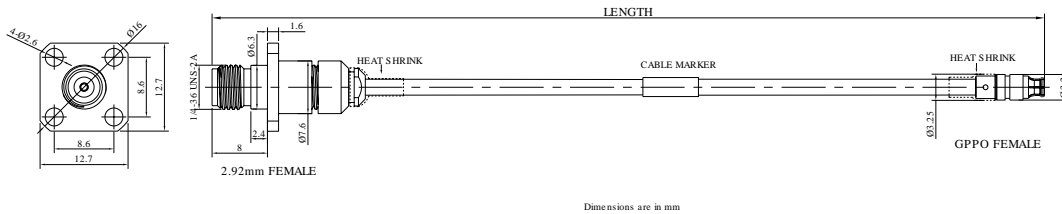


P/N: FRF71-292FFGPPF-XXX

2.92mm 4 Hole Flange Female to GPPO(Mini-SMP) Female Cable Assembly | RG-405SS Flexible Coax Cable | DC - 40GHz

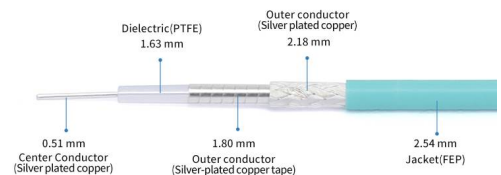


Connectors Configuration

	Connector 1	Connector 2
Connector Series	2.92mm	GPPO(Mini-SMP)
Connector Polarity	Standard	Standard
Connector Gender	Female	Female
Connector Impedance (Ohm)	50	50
Connector Mount Method	4 Hole Flange	None
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Beryllium Copper
Connector Body Plating	Passivated	Gold

Cable Configuration

Cable Type	RG-405SS
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper Wire
Dielectric Material	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)	2.54
Cable Color	Turquoise
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	96.5
Velocity of Propagation	70%
Shielding Effectiveness	< -100dB @ 1GHz



Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss \leq (dB)
100	± 3	DC - 40GHz	14dB to 40GHz	1.32 to 40GHz
200	± 3			1.94 to 40GHz
300	± 5			2.56 to 40GHz
500	± 5			3.82 to 40GHz
800	± 10			5.66 to 40GHz
1000	± 10			6.9 to 40GHz
1500	± 15			10.0 to 40GHz
2000	± 20			13.5 to 40GHz

Environmental Specifications

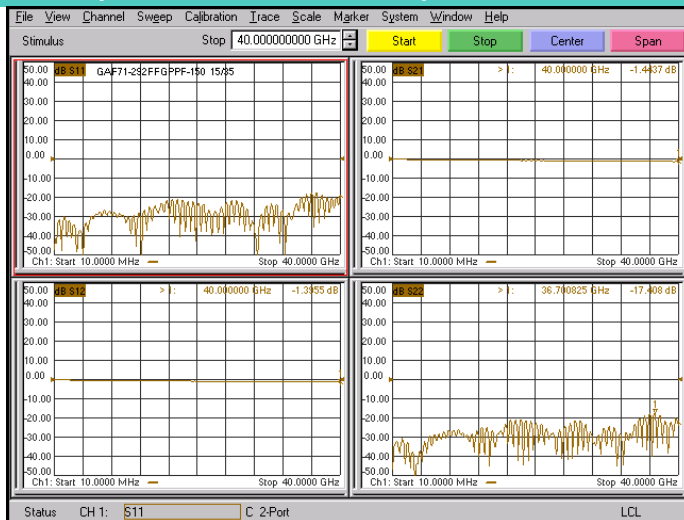
RoHS Compliant

Yes

Operating Temperature Range

-45°C to +125°C

Test Report for Cable assembly



*Note: Test Cable Assembly Length = 150 mm

Revision History

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