Flexi RF
Reliable RF Components In Stock

Datasheet

P/N: FRF71-RPSMMRPSMM-XXX

Reverse Polarity SMA Male to Reverse Polarity SMA Male Cable Assembly | RG-405SS Flexible Coax Cable | DC - 18GHz

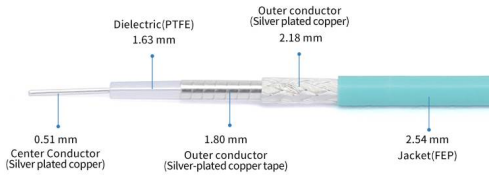


Connectors Configuration

	Connector 1	Connector 2
Connector Series	SMA	SMA
Connector Polarity	Reverse Polarity	Reverse Polarity
Connector Gender	Male	Male
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Brass	Brass
Connector Body Plating	Gold	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)	2.64
Cable Color	Turquoise
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	96.5
Velocity of Propagation	70%
Shielding Effectiveness	< -100dB @ 1GHz



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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 - 18GHz	1.25 to 18GHz	0.83 to 18GHz
200	±3			1.16 to 18GHz
300	±3			1.49 to 18GHz
500	±5			2.15 to 18GHz
800	±5			3.14 to 18GHz
1000	±10			3.65 to 18GHz
1500	±15			5.15 to 18GHz
2000	±20			6.65 to 18GHz

Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-45°C to +125°C

Revision History

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