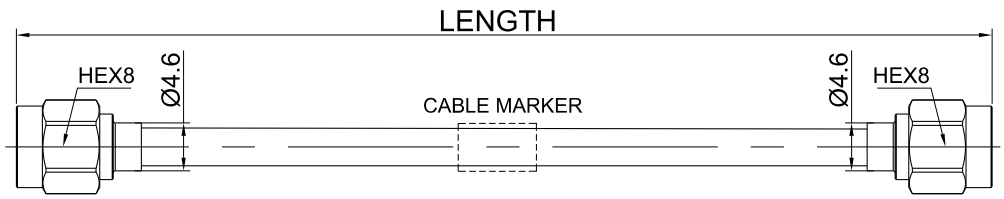
Flexi RF
Reliable RF Components In Stock

Datasheet

P/N: FR721-RPSMMRPSMM-XXX

Reverse Polarity SMA Male to Reverse Polarity SMA Male Cable Assembly | .141" Semi-flexible Cable without Jacket DC-18GHz



RPSMA FEMALE RPSMA FEMALE

Dimensions are in mm



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	Semi-flexible
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper Covered Steel (SCCS)
Dielectric Material	PTFE
Number of Shields	1
Shield Layer 1 Material	Tin-soaked, Tin Plated Copper (T)
Cable Diameter (mm)	3.6
Cable Color	Silver
Minimum Bend Radius (mm)	10
Capacitance (pF/m)	94
Velocity of Propagation	71%
Shielding Effectiveness	>100dB



Flexi RF Inc

(650)880-9199

20195 Stevens Creek Blvd, Suite 220, Cupertino, CA 95014

sales@flexirf.com

www.flexirf.com

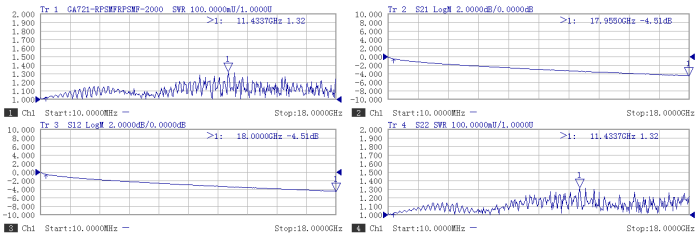
Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC-18GHz	1.3	0.59
200	±3			0.79
300	±3			0.99
400	±5			1.19
500	±5	DC-18GHz		1.38

Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-40°C to +125°C

Test Report for Cable assembly



	SweepType	Start Frequency	Stop Frequency	Points	IF BW(Hz)	SweepTime(s)	Port1,2Power(dBm)
Ch1	LIN_SWEEP	0.010000000GHz	18.000000000GHz	401	1000	0.388009	-5.0,-5.0

	Marker	Delta	Stimulus	Response
Win1				
Trace1--S11	1		11.4336GHz	1.324
Win2				
Trace2--S21	1		17.9550GHz	-4.512dB
Win3				
Trace3--S12	1		18.0000GHz	-4.514dB
Win4				
Trace4--S22	1		11.4336GHz	1.323

**Note:Test Cable Assembly Length = 2000 mm*

Revision History

Version	Description	Prepared By	Approved By	Date