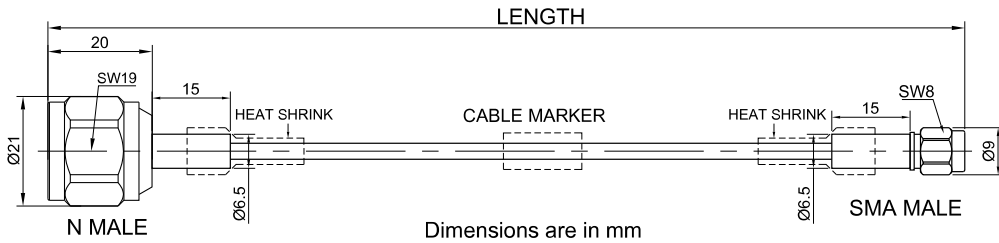


P/N: FRR1P-NMSMM-XXX

N Male to SMA Male Cable Assembly | RG142-PVC Flexible Coax Cable | DC-6GHz

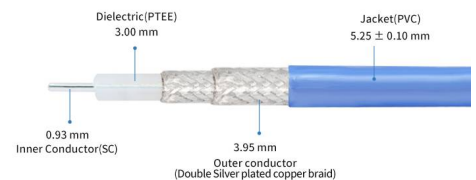


## Connectors Configuration

	Connector 1	Connector 2
Connector Series	N	SMA
Connector Polarity	Standard	Standard
Connector Gender	Male	Male
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Brass	Brass
Connector Body Plating	Nickel	Tri-Metal

## Cable Configuration

Cable Type	RG142-PVC Flexible Cable
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper
Dielectric Material	PTFE
Shield Layer 1 Material	silver plated copper braid
Shield Layer 2 Material	silver plated copper braid
Jacket Material	PVC
Cable Diameter (mm)	5.25±0.1
Cable Color	Blue
Minimum Bend Radius (mm)	25
Capacitance (pF/m)	96.45
Velocity of Propagation	70%
Shielding Effectiveness	< -80dB @ 1GHz



## Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss $\leq$ (dB)
1000	$\pm 10$	DC - 6GHz	1.25	1.54
1500	$\pm 15$			2.19
2000	$\pm 20$			2.84
5000	$\pm 50$			6.74

## Environmental Specifications

RoHS Compliant

Yes

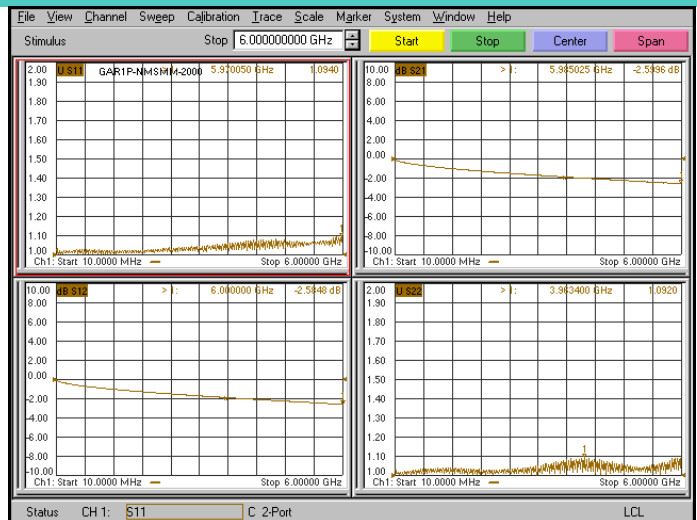
Operating Temperature Range

-20°C to +70°C

## Test Report for Cable assembly



\*Note: Test Cable Assembly Length = 1500 mm



\*Note: Test Cable Assembly Length = 2000 mm

## Revision History

Version	Description	Prepared By	Approved By	Date
---------	-------------	-------------	-------------	------