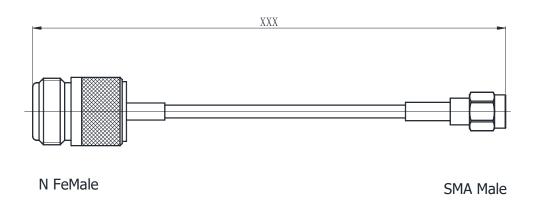
## CABLE ASSEMBLY DATASHEET



# RG142 SERIES, FLEXIBLE CABLE, N(FEMALE)- SMA(MALE)

## **GAR1-NFSMM-XXX**



\* Label and Shrinking tube design depend on customer's request.

Configuration				
Connector 1 Type	N Female			
Connector 1 Body Style	Straight			
Body Material and Plating	Brass Nickel Plated			
Connector 1 Mount Method	None			
Connector 2 Type	SMA male			
Connector 2 Body Style	Straight			
Body Material and Plating	Brass Gold Plated			
Connector 2 Mount Method	None			
Cable Type	RG142 Series			
Electrical Specifications  Impedance 50 Ω				
Impedance Frequency	DC to 10 GHz			
Return Loss/VSWR	1.25 to 5 GHz			
Phase Stability vs. Flexure	N/A			
Amplitude Stability	N/A			
Shielding Effectiveness	<-80dB @ 1GHz			
Phase Matching	On request			
Signal Delay	On request			
Power Handling	260watt @ 2.5GHz at sea level,VSWR1.0			
Environmental Data				
Temperature Range	-40°C to +125°C			
2002/95/EC(RoHS)	Compliant			

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#### CABLE ASSEMBLY DATASHEET



## RG142 SERIES, FLEXIBLE CABLE, N(FEMALE)- SMA(MALE)

#### **GAR1-NFSMM-XXX**

Cable Specifications			
Center Conductor	Silver plated copper		
Dielectric	Solid PTEE		
Jacket	FEP		
Capacitance(pF/m)	94		
Velocity of propagation(%)	70		
Min. bending radius(mm)	25		
Jacket Diameter(mm)	4.95±0.13		

## **Part Number List**

Part Number	Length [mm]	Insertion Loss ≤(dB)	
		3GHz	5GHz
GAR1-NFSMM-3000	3000±20	2.45	3.35
GAR1-NFSMM-1500	1500±20	1.4	1.85
GAR1-NFSMM-1000	1000±10	1.05	1.35
GAR1-NFSMM-500	500±10	0.7	0.85

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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