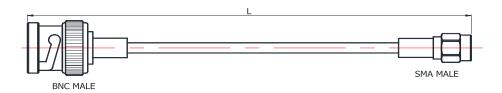
### CABLE ASSEMBLY DATASHEET



# RG142 SERIES, FLEXIBLE CABLE, BNC(MALE)-SMM(MALE)

## **GAR1-BNCMSMM-XXX**



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

Cardianation				
Configuration				
Connector 1 Type	BNC Male			
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			
<b>Electrical Specification</b>	าร			
•				
Impedance	50 Ω			
Frequency	DC to 3 GHz			
Return Loss/VSWR	1.25 to 1 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 +85°C			
2002/95/EC(RoHS)	Compliant			

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#### CABLE ASSEMBLY DATASHEET



# RG142 SERIES, FLEXIBLE CABLE, BNC(MALE)-SMM(MALE)

### **GAR1-BNCMSMM-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)	
		1GHz	3GHz
GAR1-BNCMSMM-1000	1000±10	0.69	1.15
GAR1-BNCMSMM-2000	2000±20	1.17	2.12
GAR1-BNCMSMM-3000	3000±20	1.73	3.06
GAR1-BNCMSMM-5000	5000±30	2.84	4.95
GAR1-BNCMSMM-10000	10000±30	4.83	8.94

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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