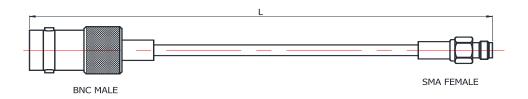
CABLE ASSEMBLY DATASHEET



RG142 SERIES, FLEXIBLE CABLE, BNC(FEMALE)-SMA(FEMALE)

GAR1-BNCFSMF-XXX



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

Configuration			
Connector 1 Type	BNC Female		
Connector 1 Body Style	Straight		
Body Material and Plating	Brass Nickel Plated		
Connector 1 Mount Method	None		
Connector 2 Type	SMA Female		
Connector 2 Body Style	Straight		
Body Material and Plating	Brass Gold Plated		
Connector 2 Mount Method	None		
Cable Type	RG142 Series		
Electrical Specificati	ons		
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		

Gwave Technology Inc.
4th Floor, New Material Plaza, Yongfeng Hi-Tech Base, Haidian
District.Beijing .China(100094) www.gwaye-tech.com

Tel.: +86 10 86484190 Fax: +86 10 86484190-0 email: gwave@gwave-tech.com

CABLE ASSEMBLY DATASHEET



RG142 SERIES, FLEXIBLE CABLE, BNC(FEMALE)-SMA(FEMALE)

GAR1-BNCFSMF-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	Longth [mm]	Insertion Loss ≤(dB)	
Part Number	Length [mm]	1GHz	3GHz
GAR1-BNCFSMF-1000	1000±10	0.69	1.15
GAR1-BNCFSMF-2000	2000±20	1.17	2.12
GAR1-BNCFSMF-3000	3000±20	1.73	3.06
GAR1-BNCFSMF-5000	5000±30	2.84	4.95
GAR1-BNCFSMF-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.

Gwave Technology Inc. 4th Floor,New Material Plaza,Yongfeng Hi-Tech Base,Haidian District,Beijing ,China(100094) www.gwave-tech.com Tel.: +86 10 86484190 Fax: +86 10 86484190-0 email: gwave@gwave-tech.com Page

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