G142 SERIES, FLEXIBLE C/			
SMA(FEMALE)- SMA(FEI	•	GAR1-SMFSMF-XXX	
SMA FeMale	XX	SMA FeMale	
el and Shrinking tube design depe	nd on custon	ner's request.	
Connector 1 Type	SMA	Female	
Connector 1 Body Style	Strai	ight	
Body Material and Plating	Bras	s Gold Plated	
Connector 1 Mount Method	Non	e	
Connector 2 Type	SMA	Female	
Connector 2 Body Style	Stra	Straight	
Body Material and Plating	Bras	s Gold Plated	
Connector 2 Mount Method	Non	e	
Cable Type	RG1	42 Series	
<b>Electrical Specificat</b>	tions		
Impedance	50 🖸	2	
Frequency	DC t	DC to 10 GHz	
Return Loss/VSWR	1.25 to 5 GHz		
Phase Stability vs. Flexure	N/A		
Amplitude Stability	N/A		
Shielding Effectiveness		DdB @ 1GHz	
Phase Matching		request	
r huse mutering	On request		
Signal Delay	200	watt @ 2.5GHz at sea level,VSWR1.0	
	2001		
Signal Delay	I		
Signal Delay Power Handling	a	°C to +125°C	
Signal Delay Power Handling Environmental Data	<b>a</b> -40°	°C to +125°C Ipliant	

CABLE ASSEMBLY DATASHEET

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

## Gwave

## GAR1-SMFSMF-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-SMFSMF-3000	3000±20	2.45	3.35	
GAR1-SMFSMF-1500	1500±20	1.4	1.85	
GAR1-SMFSMF-1000	1000±10	1.05	1.35	
GAR1-SMFSMF-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.

Gwave Technology Inc.	Tel.: +86 10 86484190	Page
4 <sup>th</sup> Floor,New Material Plaza,Yongfeng Hi-Tech Base,Haidian District,Beijing ,China(100094) www.gwave-tech.com	Fax: +86 10 86484190-0 email: gwave@gwave-tech.com	2/2