G142 SERIES, FLEXIBLE CA SMA(MALE)- SMA(FEMA	•	GAR1-SMMSMF-XXX		
	XX			
SMA Male		SMA FeMale		
oel and Shrinking tube design depen	nd on custom	er's request.		
Configuration Connector 1 Type	SMA	male		
Connector 1 Body Style	Straig			
Body Material and Plating		s Gold Plated		
Connector 1 Mount Method	None			
Connector 2 Type		Female		
Connector 2 Body Style	Straig			
Body Material and Plating		Brass Gold Plated		
Connector 2 Mount Method	None			
Cable Type		RG142 Series		
Electrical Specificat	ions			
Impedance	50 Ω	Ω Ω		
Frequency	DC to	C to 10 GHz		
Return Loss/VSWR	1.25	1.25 to 5 GHz		
Phase Stability vs. Flexure	N/A			
Amplitude Stability	N/A			
Shielding Effectiveness	<-80	dB @ 1GHz		
Phase Matching	On re	On request		
5	On re	On request		
Signal Delay	260w	vatt @ 2.5GHz at sea level,VSWR1.0		
Signal Delay	I			
Signal Delay Power Handling		C to +125°C		
Signal Delay Power Handling Environmental Data				

CABLE ASSEMBLY DATASHEET

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

Gwave

GAR1-SMMSMF-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-SMMSMF-3000	3000±20	2.45	3.35	
GAR1-SMMSMF-1500	1500±20	1.4	1.85	
GAR1-SMMSMF-1000	1000±10	1.05	1.35	
GAR1-SMMSMF-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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