G142 SERIES, FLEXIBLE CA	ABI E	
SMA(FEMALE)-SMA(FEM		XX
SMA FEMALE	L SMA FEMALE	
bel and Shrinking tube design deper	nd on customer's request.	
Connector 1 Type	SMA Female	
Connector 1 Body Style	Straight	
Body Material and Plating	Brass Gold 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 Specificat	ions	
Impedance	50 Ω	
Frequency	DC to 10 GHz	
Return Loss/VSWR	1.35 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	3	
	-40°C to +125°C	
Temperature Range		
Temperature Range 2002/95/EC(RoHS)	Compliant	

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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-1000	1000±10	1.05	1.35	
GAR1-SMFSMF-1500	1500±15	1.4	1.85	

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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