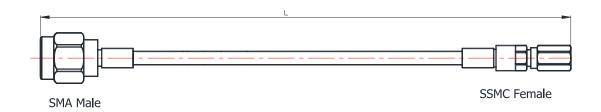
## CABLE ASSEMBLY DATASHEET



# RG178 SERIES, FLEXIBLE CABLE, SMA(MALE)- SSMC(FEMALE)

## **GAR8-SMMSSMCF-XXX**



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

Configuration					
Connector 1 Type	SMA Male				
Connector 1 Body Style	Straight				
Body Material and Plating	Brass Gold Plated				
Connector 1 Mount Method	None				
Connector 2 Type	SSMC Female				
Connector 2 Body Style	Straight				
Body Material and Plating	Brass Gold Plated				
Connector 2 Mount Method	None				
Cable Type	RG178 Series				
Electrical Specifications					
Impedance	50 Ω				
Frequency	DC to 6 GHz				
Return Loss/VSWR	1.25 to 3 GHz				
Shielding Effectiveness	<-70dB @ 1GHz				
Power Handling	88watt @ 1.5GHz at sea level, VSWR1.0				
Environmental Data					
Temperature Range	-40°C to +165°C				
2002/95/EC(RoHS)	Compliant				

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#### CABLE ASSEMBLY DATASHEET



## RG178 SERIES, FLEXIBLE CABLE, SMA(MALE)- SSMC(FEMALE)

## **GAR8-SMMSSMCF-XXX**

Cable Specifications				
Center Conductor	Silver plated copper			
Dielectric	Solid PTFE			
Jacket	FEP			
Capacitance(pF/m)	94			
Velocity of propagation(%)	70			
Min. bending radius(mm)	15			
Jacket Diameter(mm)	2.25±0.13			

## **Part Number List**

Part Number	Length [mm]	Insertion Loss ≤(dB)		
		1GHz	3GHz	
GAR8-SMMSSMCF-2000	2000±10	3.05	5.35	
GAR8-SMMSSMCF-1000	1000±10	1.65	2.95	
GAR8-SMMSSMCF-800	800±10	1.33	2.44	
GAR8-SMMSSMCF-500	500±10	0.95	1.75	

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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