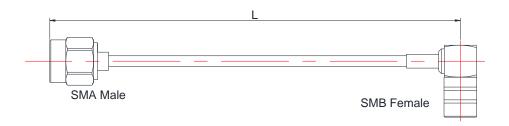
CABLE ASSEMBLY DATASHEET



RG316 SERIES, FLEXIBLE CABLE, SMA(MALE)- SMB(FEMALE)

GAR3-SMMSMBWF-XXX



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

Configuration			
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	SMB Female		
Connector 2 Body Style	Right Angle		
Body Material and Plating	Brass Gold Plated		
Connector 2 Mount Method	None		
Cable Type	RG316 Series		
Electrical Specificati	ons		
Impedance	50 Ω		
Frequency	DC to 3 GHz		
Return Loss/VSWR	1.3 to 3 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	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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RG316 SERIES, FLEXIBLE CABLE, SMA(MALE)- SMB(FEMALE)

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Cable Specifications			
Center Conductor	Silver plated copper		
Dielectric	Solid extruded PTFE		
Jacket	FEP		
Capacitance(pF/m)	94		
Velocity of propagation(%)	70		
Min. bending radius(mm)	15		
Jacket Diameter(mm)	2.54		

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)	
		1GHz	3GHz
GAR3-SMMSMBWF-5000	5000±20	4.65	7.85
GAR3-SMMSMBWF-2000	2000±10	1.95	3.25
GAR3-SMMSMBWF-1000	1000±10	1.05	1.75
GAR3-SMMSMBWF-500	500±10	0.65	1.04

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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