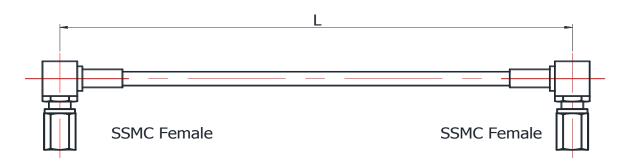
CABLE ASSEMBLY DATASHEET



RG316 SERIES, FLEXIBLE CABLE, SSMC(FEMALE)- SSMC(FEMALE)

GAR3-SSMCWFSSMCWF-XXX



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

Configuration				
Connector 1 Type	SSMC Female			
Connector 1 Body Style	Right Angle			
Body Material and Plating	Brass Gold Plated			
Connector 1 Mount Method	None			
Connector 2 Type	SSMC 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	50 Ω			
Impedance				
Frequency	DC to 3 GHz			
Frequency Return Loss/VSWR	DC to 3 GHz 1.3 to 3 GHz			
Frequency Return Loss/VSWR Phase Stability vs. Flexure	DC to 3 GHz 1.3 to 3 GHz N/A			
Frequency Return Loss/VSWR Phase Stability vs. Flexure Amplitude Stability	DC to 3 GHz 1.3 to 3 GHz N/A N/A			
Frequency Return Loss/VSWR Phase Stability vs. Flexure Amplitude Stability Shielding Effectiveness	DC to 3 GHz 1.3 to 3 GHz N/A N/A <-70dB @ 1GHz			
Frequency Return Loss/VSWR Phase Stability vs. Flexure Amplitude Stability	DC to 3 GHz 1.3 to 3 GHz N/A N/A			
Frequency Return Loss/VSWR Phase Stability vs. Flexure Amplitude Stability Shielding Effectiveness	DC to 3 GHz 1.3 to 3 GHz N/A N/A <-70dB @ 1GHz			
Frequency Return Loss/VSWR Phase Stability vs. Flexure Amplitude Stability Shielding Effectiveness Phase Matching	DC to 3 GHz 1.3 to 3 GHz N/A N/A <-70dB @ 1GHz On request			
Frequency Return Loss/VSWR Phase Stability vs. Flexure Amplitude Stability Shielding Effectiveness Phase Matching Signal Delay	DC to 3 GHz 1.3 to 3 GHz N/A N/A <-70dB @ 1GHz On request On request 88watt @ 1.5GHz at sea level,VSWR1.0			
Frequency Return Loss/VSWR Phase Stability vs. Flexure Amplitude Stability Shielding Effectiveness Phase Matching Signal Delay Power Handling	DC to 3 GHz 1.3 to 3 GHz N/A N/A <-70dB @ 1GHz On request On request 88watt @ 1.5GHz at sea level,VSWR1.0			

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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-SSMCWFSSMCWF-5000	5000±20	4.65	7.85
GAR3-SSMCWFSSMCWF-2000	2000±10	1.95	3.25
GAR3-SSMCWFSSMCWF-1000	1000±10	1.05	1.75
GAR3-SSMCWFSSMCWF-500	500±10	0.65	1.04

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