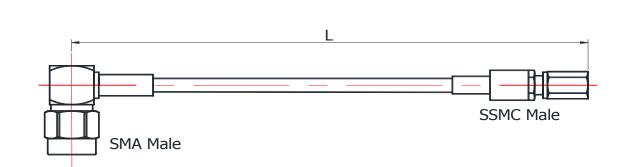
#### CABLE ASSEMBLY DATASHEET

#### RG316 SERIES, FLEXIBLE CABLE, SMA(MALE)- SSMC(FEMALE)

## Gwave

#### GAR3-SMWMSSMCF-XXX



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

Configuration	
Connector 1 Type	SMA Male
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	Straight
Body Material and Plating	Brass Gold Plated
Connector 2 Mount Method	None
Cable Type	RG316 Series
Electrical Specificati	ions
-	50.0
Impedance	50 Ω DC to 3 GHz
-	50 Ω DC to 3 GHz 1.3 to 3 GHz
Impedance Frequency	DC to 3 GHz
Impedance Frequency Return Loss/VSWR	DC to 3 GHz 1.3 to 3 GHz
Impedance Frequency Return Loss/VSWR Phase Stability vs. Flexure	DC to 3 GHz 1.3 to 3 GHz N/A
Impedance Frequency Return Loss/VSWR Phase Stability vs. Flexure Amplitude Stability	DC to 3 GHz 1.3 to 3 GHz N/A N/A
Impedance 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 <-60dB @ 1GHz

### **Environmental Data**

Temperature Range	-55°C to +165°C
2002/95/EC(RoHS)	Compliant

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CABLE ASSEMBLY DATASHEET

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

# Gwave

## GAR3-SMWMSSMCF-XXX

### **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	Longth [mm]	Insertion Loss ≤(dB)	
Part Number	Length [mm]	1GHz	3GHz
GAR3-SMWMSSMCF-5000	5000±20	4.65	7.85
GAR3-SMWMSSMCF-2000	2000±10	1.95	3.25
GAR3-SMWMSSMCF-1000	1000±10	1.05	1.75
GAR3-SMWMSSMCF-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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