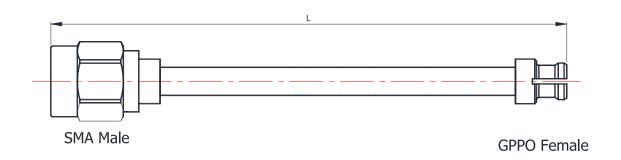
### CABLE ASSEMBLY DATASHEET



405 SERIES, FLEXIBLE CABLE, SMA(MALE)- GPPO(MINI-SMP)(FEMALE)

## **GAF71-SMMGPPF-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	Passivated Staindless Steel			
Connector 1 Mount Method	None			
Connector 2 Type	GPPO Female			
Connector 2 Body Style	Straight			
Body Material and Plating	CuBe Gold Plated			
Connector 2 Mount Method	None			
Cable Type	405 Series			
Electrical Specificati				
Impedance	50 Ω			
Frequency	DC to 26.5 GHz			
Return Loss/VSWR	12 dB to 26.5 GHz			
Phase Stability vs. Flexure	N/A			
Amplitude Stability	N/A			
Shielding Effectiveness	<-100dB @ 1GHz			
Phase Matching	On request			
Signal Delay	±1ps			
Power Handling	110watt @ 2GHz at sea level,VSWR1.0			
Environmental Data				
Temperature Range	-40°C to +125°C			
2002/95/EC(RoHS)	Compliant			

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1/2

#### CABLE ASSEMBLY DATASHEET



405 SERIES, FLEXIBLE CABLE, SMA(MALE)- GPPO(MINI-SMP)(FEMALE)

## **GAF71-SMMGPPF-XXX**

Cable Specifications				
Center Conductor	Silver plated copper			
Dielectric	Solid PTFE			
Jacket	FEP			
Capacitance(pF/m)	96.1			
Velocity of propagation(%)	70			
Min. bending radius(mm)	6.35			
Jacket Diameter(mm)	2.54±0.13			

# **Part Number List**

Part Number	Length [mm]	Insertion Loss ≤(dB)				
		5GHz	10GHz	20GHz	26.5GHz	
GAF71-SMMGPPF-1000	1000±10	1.7	2.5	3.8	4.7	
GAF71-SMMGPPF-800	800±8	1.4	2.06	3.14	3.86	
GAF71-SMMGPPF-500	500±5	0.95	1.42	2.15	2.61	
GAF71-SMMGPPF-300	300±5	0.65	0.96	1.49	1.76	
GAF71-SMMGPPF-260	260±5	0.59	0.87	1.35	1.59	
GAF71-SMMGPPF-200	200±5	0.51	0.74	1.16	1.34	
GAF71-SMMGPPF-100	100±5	0.35	0.52	0.83	0.92	

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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2/2