086 SERIES, SEMI-FLEX CABLE ,		GA712-GPFGPWF-XXX			
(SMP)(FEMALE)- GPO(SMP)(F	EMALE)				
-	L				
mm10-1:1					
GPO FEMALE					
		GPO FEMALE RIGHT ANGLE			
el and Shrinking tube design depend	d on custome	r's request.			
Configuration					
Connector 1 Type	GPO	(SMP) Female			
Connector 1 Body Style	Strai	ght			
Body Material and Plating	CuBe	e Gold Plated			
Connector 1 Mount Method	None	2			
Connector 2 Type	GPO	(SMP) Female			
Connector 2 Body Style	Righ	Right Angle			
Body Material and Plating	CuBe	CuBe Gold Plated			
Connector 2 Mount Method	None	None			
Cable Type	GUT	GUT-085-Form-FEP			
<b>Electrical Specifica</b>	tions				
Impedance	50 S	0 Ω			
Frequency	DC t	to 18 GHz			
Return Loss/VSWR	1.35	35 to 18 GHz			
Phase Stability vs. Flexure	N/A	N/A			
Amplitude Stability	N/A				
Shielding Effectiveness	<-10	<-100dB @ 1GHz			
Phase Matching	On F	On Request			
Signal Delay	On F	On Request			
Power Handling	89W	att @ 3GHz at Sea Level,VSWR1.0			
Environmental Data	а				
	-				
Tomporatura Danza	-4110	-40°C to +165°C Compliant			
Temperature Range 2002/95/EC(RoHS)		nliant			

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CABLE ASSEMBLY DATASHEET

086 SERIES, SEMI-FLEX CABLE, GPO(SMP)(FEMALE)- GPO(SMP)(FEMALE)

## Gwave

## GA712-GPFGPWF-XXX

## **Cable Specifications**

Center Conductor	Silver plated copper
Dielectric	Solid extruded PTFE
Jacket	EPI205,Blue
Capacitance(pF/m)	94
Velocity of propagation(%)	70
Min. bending radius(mm)	6
Jacket Diameter(mm)	2.54

## Part Number List

Part Number Lengtl	Longth [mm]	Insertion Loss ≤(dB)			
	Length [mm]	3GHz	5GHz	10GHz	18GHz
GA712-GPFGPWF-1000	1000±15	1.33	1.92	2.71	3.65
GA712-GPFGPWF-500	500±10	0.785	0.95	1.42	2.15
GA712-GPFGPWF-300	300±10	0.53	0.65	0.96	1.49
GA712-GPFGPWF-200	200±10	0.404	0.51	0.74	1.16
GA712-GPFGPWF-100	100±10	0.27	0.35	0.52	0.83

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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