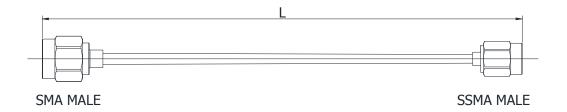
### CABLE ASSEMBLY DATASHEET



## 086 SERIES, SEMI-RIGID CABLE, SMA(MALE)- SSMA(MALE)

## **GA710X-SMMSSMAM-XXX**



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

Configuration					
	i				
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	SSMA Male				
Connector 2 Body Style	Straight				
Body Material and Plating	Passivated Staindless Steel				
Connector 2 Mount Method	None				
Cable Type	GUT-085(TIN/Copper)				
Electrical Specification  Impedance	ons 50 Ω				
Frequency	DC to 26.5 GHz				
Return Loss/VSWR	1.25 to 18 GHz				
Phase Stability vs. Flexure	N/A				
Amplitude Stability	N/A				
Shielding Effectiveness	<-100dB @ 1GHz				
Phase Matching	On request				
Signal Delay	On request				
Power Handling	89watt @ 3GHz at sea level,VSWR1.0				
<b>Environmental Data</b>					
Temperature Range	-40°C to +165°C				
2011/65/EU(RoHS)	Compliant				

Temperature Range	-40°C to +165°C
2011/65/EU(RoHS)	Compliant

#### CABLE ASSEMBLY DATASHEET



# 086 SERIES, SEMI-RIGID CABLE, SMA(MALE)- SSMA(MALE)

## **GA710X-SMMSSMAM-XXX**

Cable Specifications				
Center Conductor	Silver plated copper			
Dielectric	Solid extruded PTFE			
Outer Conductor	TIN/Copper			
Capacitance(pF/m)	94			
Velocity of propagation(%)	70			
Min. bending radius(mm)	6			
Jacket Diameter(mm)	2.2			

## **Part Number List**

Part Number	Length [mm]	Insertion Loss ≤(dB)			
Part Number		3GHz	5GHz	10GHz	18GHz
GA710X-SMMSSMAM-1000	1000±10	1.33	1.92	2.71	3.65
GA710X-SMMSSMAM-500	500±5	0.785	0.95	1.42	2.15
GA710X-SMMSSMAM-300	300±5	0.53	0.65	0.96	1.49
GA710X-SMMSSMAM-200	200±5	0.404	0.51	0.74	1.16
GA710X-SMMSSMAM-100	100±5	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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