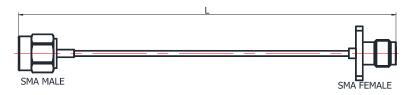
### CABLE ASSEMBLY DATASHEET



047 SERIES, SEMI-FLEX CABLE, SMA(MALE)- SMA(FEMALE)

## **GA702-SMMSMFF-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	Brass Gold Plated			
Connector 1 Mount Method	None			
Connector 2 Type	SMA Female			
Connector 2 Body Style	Straight			
Body Material and Plating	Brass Gold Plated			
Connector 2 Mount Method	4 Hole Flange			
Cable Type	GUT-047-Form-FEP			
Electrical Specificati				
Impedance	50 Ω			
Frequency	DC to 18 GHz			
Return Loss/VSWR	1.50			
Phase Stability vs. Flexure	N/A			
Amplitude Stability	N/A			
Shielding Effectiveness	<-100dB @ 1GHz			
Phase Matching	On request			
Signal Delay	On request			
Power Handling	10watt @ 1GHz at sea level,VSWR1.0			
<b>Environmental Data</b>				
Temperature Range	-40°C to +125°C			
2002/95/EC(RoHS)	Compliant			

Gwave Technology, Inc.
12630 H Westminster Ave., Santa Ana, CA 92706
www.gwayetech.com

Tel.: +1(888)251-2240 Fax: +1(714)988-4223 Email: sales@gwavetech.com Rev 1.0

Page 1/2

#### CABLE ASSEMBLY DATASHEET



# 047 SERIES, SEMI-FLEX CABLE, SMA(MALE)- SMA(FEMALE)

## **GA702-SMMSMFF-XXX**

Cable Specifications				
Center Conductor	Silver plated copperweld			
Dielectric	Solid PTFE			
Jacket	FEP			
Capacitance(pF/m)	95.1			
Velocity of propagation(%)	70			
Min. bending radius(mm)	7.63			
Jacket Diameter(mm)	1.6			

## **Part Number List**

Dart Number	Length [mm]	Insertion Loss ≤(dB)			
Part Number		3GHz	5GHz	10GHz	18GHz
GA702-SMMSMFF-1000	1000±10	2.11	2.84	4.03	5.84
GA702-SMMSMFF-500	500±5	1.16	1.55	2.17	3.12
GA702-SMMSMFF-300	300±5	0.77	1.03	1.42	2.03
GA702-SMMSMFF-200	200±5	0.58	0.77	1.05	1.49
GA702-SMMSMFF-100	100±5	0.39	0.51	0.67	0.94

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.

Gwave Technology, Inc. 12630 H Westminster Ave., Santa Ana, CA 92706 www.gwavetech.com

Tel.: +1(888)251-2240 Fax: +1(714)988-4223

Email: <a href="mailto:sales@gwavetech.com">sales@gwavetech.com</a>

Rev

2/2 Page

1.0