



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

## Configuration

Connector 1 Type	SMA Female
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	None
Cable Type	GUT-047-Form

## Electrical Specifications

Impedance	50 $\Omega$
Frequency	DC to 18 GHz
Return Loss/VSWR	1.5
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 @ 18GHz at sea level,VSWR1.0

## Environmental Data

Temperature Range	-40°C to +125°C
2002/95/EC(RoHS)	Compliant

### Cable Specifications

Center Conductor	Silver plated copperweld
Dielectric	Solid PTFE
Jacket	None
Capacitance(pF/m)	95.1
Velocity of propagation(%)	70
Min. bending radius(mm)	7.63
Jacket Diameter(mm)	1.19±0.05

### Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		3GHz	5GHz	10GHz	18GHz
GA701-SMFSMF-1000	1000±10	2.11	2.84	4.03	5.84
GA701-SMFSMF-500	500±5	1.16	1.55	2.17	3.12
GA701-SMFSMF-300	300±5	0.77	1.03	1.42	2.03
GA701-SMFSMF-200	200±5	0.58	0.77	1.05	1.49
GA701-SMFSMF-100	100±5	0.39	0.51	0.67	0.94

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