



\* 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	4 Hole Flange
Cable Type	GUT-085-Form-FEP

## Electrical Specifications

Impedance	50 $\Omega$
Frequency	DC to 26.5 GHz
Return Loss/VSWR	1.30 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	110watt @ 2GHz at sea level,VSWR1.0

## Environmental Data

Temperature Range	-40°C to +165°C
2002/95/EC(RoHS)	Compliant

### 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	Length [mm]	Insertion Loss $\leq$ (dB)			
		3GHz	5GHz	10GHz	18GHz
GA712-SMFSMFF-10000	10000 $\pm$ 50	13.2	16.5	24.5	34.6
GA712-SMFSMFF-1000	1000 $\pm$ 10	1.4	1.7	2.5	3.8
GA712-SMFSMFF-800	800 $\pm$ 8	1.16	1.4	2.06	3.14
GA712-SMFSMFF-500	500 $\pm$ 5	0.785	0.95	1.42	2.15
GA712-SMFSMFF-300	300 $\pm$ 5	0.53	0.65	0.96	1.49
GA712-SMFSMFF-260	260 $\pm$ 5	0.48	0.59	0.87	1.35
GA712-SMFSMFF-200	200 $\pm$ 5	0.404	0.51	0.74	1.16
GA712-SMFSMFF-100	100 $\pm$ 5	0.27	0.35	0.52	0.83

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