



\* 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	Passivated Stainless Steel
Connector 1 Mount Method	None
Connector 2 Type	SMA Female
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Stainless Steel
Connector 2 Mount Method	None
Cable Type	311A Series

## Electrical Specifications

Impedance	50 $\Omega$
Frequency	DC to 18 GHz
Return Loss/VSWR	1.35 to 18 GHz
Phase Stability vs. Flexure	5° @18 GHz
Amplitude Stability	N/A
Shielding Effectiveness	<-100dB @ 1GHz
Phase Matching	On Request
Signal Delay	On Request
Power Handling	780Watt @ 5GHz at Sea Level,VSWR1.0

## Environmental Data

Temperature Range	-40°C to +80°C
2002/95/EC(RoHS)	Compliant

### Cable Specifications

Center Conductor	Silver plated copper
Dielectric	Solid Density PTFE
Jaket	FEP
Capacitance(pF/m)	80.4
Velocity of propagation(%)	83
Min. bending radius(mm)	31.75
Jaket Diameter(mm)	7.90±0.13

### Armor Specifications

Armor Type	Polyurethane Jacket Over Braid Stainless Steel Spiral
Min. bending radius(mm)	25.4
Diameter(mm)	15

### Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		3GHz	6GHz	10GHz	18GHz
GAA2-SMMSMF-30000	30000±50	8.14	11.53	15.26	21.33
GAA2-SMMSMF-20000	20000±50	5.45	7.78	10.25	14.25
GAA2-SMMSMF-12000	12000±30	3.29	4.73	6.21	8.53
GAA2-SMMSMF-10000	10000±30	2.77	3.98	5.22	7.17
GAA2-SMMSMF-8000	8000±30	2.25	3.23	4.23	5.81
GAA2-SMMSMF-6000	6000±30	1.73	2.48	3.25	4.45
GAA2-SMMSMF-3000	3000±30	0.94	1.35	1.77	2.42
GAA2-SMMSMF-2000	2000±20	0.68	0.98	1.27	1.74
GAA2-SMMSMF-1500	1500±15	0.55	0.79	1.03	1.39
GAA2-SMMSMF-1200	1200±12	0.47	0.67	0.88	1.19
GAA2-SMMSMF-1000	1000±10	0.42	0.59	0.8	1.06
GAA2-SMMSMF-600	600±10	0.32	0.45	0.58	0.79
GAA2-SMMSMF-500	500±10	0.29	0.41	0.53	0.73

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