



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

### Configuration

Connector 1 Type	N Male
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 1 Mount Method	None
Connector 2 Type	SMA Male
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 2 Mount Method	None
Cable Type	210A Series

### Electrical Specifications

Impedance	50 $\Omega$
Frequency	DC to 18 GHz
Return Loss/VSWR	1.25 to 18 GHz
Phase Stability vs. Flexure	3°@ 10GHz,5°@ 18GHz
Amplitude Stability	N/A
Shielding Effectiveness	<-100dB @ 1GHz
Phase Matching	On Request
Signal Delay	On Request
Power Handling	200watt @ 20GHz 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	Low Density PTFE
Jacket	FEP
Capacitance(pF/m)	86
Velocity of propagation(%)	77
Min. bending radius(mm)	9.65
Jacket Diameter(mm)	5.33±0.13

**Part Number List**

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		3GHz	6GHz	10GHz	18GHz
GAU7-NMSMM-12000	12000±30	5.61	8.21	10.95	15.41
GAU7-NMSMM-10000	10000±30	4.70	6.88	9.17	12.89
GAU7-NMSMM-8000	8000±30	3.79	5.55	7.41	10.4
GAU7-NMSMM-6000	6000±30	2.88	4.22	5.62	7.89
GAU7-NMSMM-3000	3000±30	1.52	2.22	2.95	4.14
GAU7-NMSMM-2000	2000±20	1.07	1.56	2.06	2.89
GAU7-NMSMM-1500	1500±15	0.84	1.22	1.62	2.26
GAU7-NMSMM-1200	1200±12	0.71	1.02	1.35	1.89
GAU7-NMSMM-1000	1000±10	0.61	0.89	1.18	1.64
GAU7-NMSMM-600	600±10	0.43	0.62	0.82	1.14
GAU7-NMSMM-500	500±10	0.39	0.56	0.73	1.01

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