



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

Configuration

Connector 1 Type	1.0mm Male
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 1 Mount Method	None
Connector 2 Type	1.0mm Male
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 2 Mount Method	None
Cable Type	U12 Series

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 110 GHz
Return Loss/VSWR	1.5 to 110 GHz
Phase Stability vs. Flexure	N/A
Amplitude Stability	N/A
Shielding Effectiveness	<-90dB @ 1GHz
Phase Matching	On request
Signal Delay	On request

Environmental Data

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

Cable Specifications

Center Conductor	Silver plated copper
Dielectric	ePTFE
Jacket	FEP
Velocity of propagation(%)	80
Min. bending radius(mm)	10
Jacket Diameter(mm)	1.85

Armor Specifications

Armor Type	Stainless steel wire covered by Tin plated copper wire and nomex braid
Min. bending radius(mm)	50
Diameter(mm)	3.84

Part Number List

Part Number	Length [mm]	Insertion Loss \leq (dB)					
		6GHz	18GHz	26.5GHz	40GHz	67GHz	110GHz
GAU12-10M10M-1000A3	1000 \pm 10	2.96	5.21	6.38	7.93	10.44	13.67
GAU12-10M10M-800A3	800 \pm 10	2.39	4.21	5.15	6.40	8.44	11.04
GAU12-10M10M-600A3	600 \pm 5	1.82	3.21	3.93	4.88	6.43	8.42
GAU12-10M10M-500A3	500 \pm 5	1.66	2.93	3.58	4.44	5.84	7.63
GAU12-10M10M-400A3	400 \pm 5	1.26	2.21	2.71	3.36	4.43	5.79
GAU12-10M10M-200A3	200 \pm 5	0.69	1.22	1.49	1.84	2.42	3.16

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.