



* 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 Female
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	1.44 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

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)					
		6GHz	18GHz	26.5GHz	40GHz	67GHz	110GHz
GAU12-10M10F-1000	1000±10	2.96	5.21	6.38	7.93	10.44	13.67
GAU12-10M10F-800	800±10	2.39	4.21	5.15	6.40	8.44	11.04
GAU12-10M10F-600	600±5	1.82	3.21	3.93	4.88	6.43	8.42
GAU12-10M10F-400	400±5	1.26	2.21	2.71	3.36	4.43	5.79
GAU12-10M10F-200	200±5	0.69	1.22	1.49	1.84	2.42	3.16

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