



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

Configuration

Connector 1 Type	2.92mm Female
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Stainless Steel
Connector 1 Mount Method	None
Connector 2 Type	2.92mm Female
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Stainless Steel
Connector 2 Mount Method	None
Cable Type	147A Series

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 40 GHz
Return Loss/VSWR	1.44 to 40 GHz
Phase Stability vs. Flexure	5° @ 18GHz
Amplitude Stability	N/A
Shielding Effectiveness	<-100dB @ 1GHz
Phase Matching	On Request
Signal Delay	On Request
Power Handling	220Watt @ 5GHz 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)	6.35
Jacket Diameter(mm)	3.73

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		10GHz	18GHz	26.5GHz	40GHz
GAU1-292F292F-20000	20000±100	25.98	36.06	44.96	57.18
GAU1-292F292F-10000	10000±100	13.2	18.3	22.8	28.9
GAU1-292F292F-8000	8000±30	10.56	14.65	18.3	23.2
GAU1-292F292F-3000	3000±30	4.14	5.75	7.14	9.06
GAU1-292F292F-2500	2500±20	3.49	4.85	6.03	7.65
GAU1-292F292F-2000	2000±20	2.85	3.95	4.92	6.23
GAU1-292F292F-1500	1500±15	2.22	3.06	3.81	4.82
GAU1-292F292F-1200	1200±12	1.83	2.54	3.14	3.97
GAU1-292F292F-1000	1000±10	1.57	2.17	2.69	3.41
GAU1-292F292F-600	600±10	1.06	1.46	1.82	2.27
GAU1-292F292F-500	500±10	0.93	1.28	1.58	1.99

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.