



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

## Electrical Specifications

Impedance	50 $\Omega$
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 +80°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

**Armor Specifications**

Armor Type	Polyurethane Jacket Over Braid Stainless Steel Spiral
Min. bending radius(mm)	25.4
Diameter(mm)	10.8

**Part Number List**

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		10GHz	18GHz	26.5GHz	40GHz
GAU1-292F292F-20000A1	20000±100	25.98	36.06	44.96	57.18
GAU1-292F292F-10000A1	10000±100	13.2	18.3	22.8	28.9
GAU1-292F292F-8000A1	8000±30	10.56	14.65	18.3	23.2
GAU1-292F292F-3000A1	3000±30	4.14	5.75	7.14	9.06
GAU1-292F292F-2500A1	2500±20	3.49	4.85	6.03	7.65
GAU1-292F292F-2000A1	2000±20	2.85	3.95	4.92	6.23
GAU1-292F292F-1500A1	1500±15	2.22	3.06	3.81	4.82
GAU1-292F292F-1200A1	1200±12	1.83	2.54	3.14	3.97
GAU1-292F292F-1000A1	1000±10	1.57	2.17	2.69	3.41
GAU1-292F292F-600A1	600±10	1.06	1.46	1.82	2.27
GAU1-292F292F-500A1	500±10	0.93	1.28	1.58	1.99

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