



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

Configuration

Connector 1 Type	2.92mm Male
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 1 Mount Method	None
Connector 2 Type	GPO(SMP) Female
Connector 2 Body Style	Straight
Body Material and Plating	Brass Gold Plated
Connector 2 Mount Method	None
Cable Type	147A Series

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 40 GHz
Return Loss/VSWR	14dB 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 $\leq$ (dB)			
		10GHz	18GHz	26.5GHz	40GHz
GAU1-292MGPF-20000	20000 $\pm$ 100	25.98	33.6	40.2	51.6
GAU1-292MGPF-10000	10000 $\pm$ 100	13.2	16.9	20.8	26.1
GAU1-292MGPF-8000	8000 $\pm$ 30	10.56	13.65	16.7	20.7
GAU1-292MGPF-3000	3000 $\pm$ 30	4.14	5.21	6.42	7.91
GAU1-292MGPF-2500	2500 $\pm$ 20	3.49	4.38	5.35	6.73
GAU1-292MGPF-2000	2000 $\pm$ 20	2.85	3.55	4.32	5.45
GAU1-292MGPF-1500	1500 $\pm$ 15	2.22	2.76	3.31	4.23
GAU1-292MGPF-1200	1200 $\pm$ 12	1.83	2.16	2.72	3.46
GAU1-292MGPF-1000	1000 $\pm$ 10	1.57	1.83	2.31	2.95
GAU1-292MGPF-600	600 $\pm$ 10	1.06	1.35	1.66	2.16
GAU1-292MGPF-500	500 $\pm$ 10	0.93	1.02	1.25	1.65

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