



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

## Configuration

Connector 1 Type	1.85mm Female
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 1 Mount Method	None
Connector 2 Type	G3PO(SMPS) Female
Connector 2 Body Style	Straight
Body Material and Plating	CuBe Gold Plated
Connector 2 Mount Method	None
Cable Type	405 Series

## Electrical Specifications

Impedance	50 $\Omega$
Frequency	DC to 50 GHz
Return Loss/VSWR	10dB to 50 GHz
Phase Stability vs. Flexure	N/A
Amplitude Stability	N/A
Shielding Effectiveness	<-100dB @ 1GHz
Phase Matching	On request
Signal Delay	On request
Power Handling	90watt @ 2GHz at sea level,VSWR1.0

## Environmental Data

Temperature Range	-40°C to +165°C
RoHS	Compliant

### Cable Specifications

Center Conductor	Silver plated copper
Dielectric	ePTFE
Jacket	FEP
Capacitance(pF/m)	94
Velocity of propagation(%)	82
Min. bending radius(mm)	6
Jacket Diameter(mm)	2.2

### Part Number List

Part Number	Length [mm]	Insertion Loss $\leq$ (dB)			
		5GHz	10GHz	20GHz	40GHz
GAU2-185FG3PF-1000	1000 $\pm$ 10	1.7	2.5	3.62	5.32
GAU2-185FG3PF-800	800 $\pm$ 8	1.4	2.06	3.04	4.42
GAU2-185FG3PF-600	600 $\pm$ 6	1.09	1.64	2.36	3.46
GAU2-185FG3PF-500	500 $\pm$ 5	0.95	1.38	2.05	2.98
GAU2-185FG3PF-300	300 $\pm$ 5	0.65	0.96	1.39	2.06
GAU2-185FG3PF-260	260 $\pm$ 5	0.59	0.87	1.25	1.92
GAU2-185FG3PF-200	200 $\pm$ 5	0.51	0.74	1.12	1.54
GAU2-185FG3PF-100	100 $\pm$ 5	0.35	0.52	0.73	1.12

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