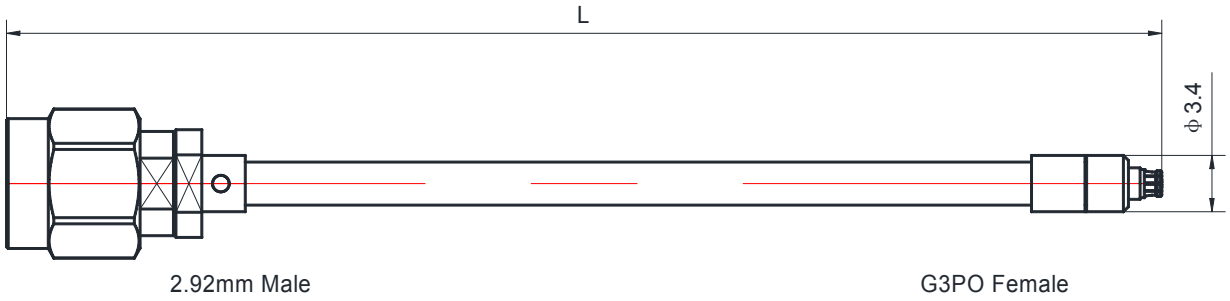
CABLE ASSEMBLY DATASHEET	Gwave
086 SERIES, SEMI-FLEX CABLE, 2.92MM(MALE)- G3PO(SMPS) (FEMALE)	**GA711-292MG3PF-XXX**



* 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	G3PO(SMPS) Female
Connector 2 Body Style	Straight
Body Material and Plating	CuBe Gold Plated
Connector 2 Mount Method	None
Cable Type	GUT-085-Form

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 50 GHz
Return Loss/VSWR	12dB 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	110watt @ 3GHz at sea level,VSWR1.0

Environmental Data

Temperature Range	-40°C to +165°C
2002/95/EC(RoHS)	Compliant

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Cable Specifications

Center Conductor	Silver plated copper
Dielectric	Solid extruded PTFE
Outer Conductor	None
Capacitance(pF/m)	94
Velocity of propagation(%)	70
Min. bending radius(mm)	6
Jacket Diameter(mm)	2.2

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		5GHz	10GHz	20GHz	40GHz
GA711-292MG3PF-1000	1000±10	1.7	2.5	3.8	6.9
GA711-292MG3PF-800	800±8	1.4	2.06	3.14	5.66
GA711-292MG3PF-600	600±6	1.09	1.64	2.48	4.32
GA711-292MG3PF-500	500±5	0.95	1.42	2.15	3.82
GA711-292MG3PF-300	300±5	0.65	0.96	1.49	2.56
GA711-292MG3PF-260	260±5	0.59	0.87	1.35	2.31
GA711-292MG3PF-200	200±5	0.51	0.74	1.16	1.94
GA711-292MG3PF-100	100±5	0.35	0.52	0.83	1.32

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