CABLE ASSEMBLY DATASHEET	Gwave
086 SERIES, SEMI-FLEX CABLE, 2.92MM(FEMALE)- G3PO(SMPS)(FEMALE)	**GA711-292FG3POF-XXX**

* 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	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 40 GHz
Return Loss/VSWR	12dB to 40 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 @ 2GHz at sea level,VSWR1.0

Environmental Data

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

Gwave Technology Inc.
4th Floor,New Material Plaza,Yongfeng Hi-Tech Base,Haidian District,Beijing ,China(100094) www.gwave-tech.com

Tel.: +86 10 86484190
Fax: +86 10 86484190-0
email: gwave@gwave-tech.com

Cable Specifications

Center Conductor	Silver plated copper
Dielectric	Solid extruded PTFE
Jacket	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
GA711-292FG3POF-1000	1000±10	1.7	2.5	3.8	6.9
GA711-292FG3POF-800	800±8	1.4	2.06	3.14	5.66
GA711-292FG3POF-600	600±6	1.09	1.64	2.48	4.32
GA711-292FG3POF-500	500±5	0.95	1.42	2.15	3.82
GA711-292FG3POF-300	300±5	0.65	0.96	1.49	2.56
GA711-292FG3POF-260	260±5	0.59	0.87	1.35	2.31
GA711-292FG3POF-200	200±5	0.51	0.74	1.16	1.94
GA711-292FG3POF-100	100±5	0.35	0.52	0.83	1.32

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.

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