

2 Way-90° Power Splitter/Combiner

SYPQ-113-1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)			AMP. UNBAL. (dB)	ISOLATION (dB)	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2	AVG.					S	1	2
108.0	2.93	3.32	3.13	0.39	27.29	89.99	108.0	1.06	1.06	1.07
108.3	2.94	3.32	3.13	0.38	27.29	90.01	108.3	1.06	1.06	1.07
108.5	2.95	3.31	3.13	0.36	27.29	89.94	108.5	1.06	1.06	1.07
108.8	2.95	3.30	3.13	0.35	27.28	89.98	108.8	1.07	1.06	1.07
109.0	2.97	3.29	3.13	0.32	27.29	90.00	109.0	1.07	1.06	1.07
109.3	2.98	3.28	3.13	0.30	27.29	89.99	109.3	1.07	1.06	1.07
109.5	2.98	3.27	3.13	0.29	27.29	89.94	109.5	1.07	1.06	1.07
109.8	2.99	3.26	3.13	0.27	27.31	89.98	109.8	1.07	1.06	1.07
110.0	3.00	3.25	3.13	0.25	27.30	90.00	110.0	1.07	1.06	1.07
110.3	3.01	3.25	3.13	0.24	27.29	89.96	110.3	1.07	1.06	1.07
110.5	3.03	3.23	3.13	0.20	27.29	90.01	110.5	1.07	1.06	1.07
110.8	3.04	3.23	3.14	0.19	27.28	89.96	110.8	1.07	1.06	1.07
111.0	3.04	3.21	3.13	0.17	27.30	90.00	111.0	1.07	1.06	1.07
111.3	3.04	3.20	3.12	0.16	27.28	89.99	111.3	1.07	1.06	1.07
111.5	3.06	3.19	3.13	0.13	27.29	89.94	111.5	1.07	1.06	1.07
111.8	3.07	3.18	3.13	0.11	27.30	90.00	111.8	1.07	1.07	1.07
112.0	3.08	3.17	3.13	0.09	27.30	89.99	112.0	1.07	1.06	1.07
112.3	3.09	3.16	3.13	0.08	27.26	89.95	112.3	1.07	1.07	1.07
112.5	3.10	3.16	3.13	0.06	27.29	89.91	112.5	1.07	1.07	1.07
112.8	3.11	3.15	3.13	0.04	27.28	89.94	112.8	1.07	1.07	1.07
113.0	3.12	3.14	3.13	0.02	27.28	89.97	113.0	1.07	1.07	1.07
113.3	3.13	3.13	3.13	0.00	27.27	89.94	113.3	1.07	1.07	1.07
113.5	3.14	3.11	3.13	0.02	27.28	89.97	113.5	1.07	1.07	1.07
113.8	3.14	3.11	3.13	0.04	27.29	89.91	113.8	1.07	1.07	1.07
114.0	3.14	3.10	3.12	0.04	27.27	89.94	114.0	1.07	1.07	1.07
114.3	3.16	3.10	3.13	0.06	27.27	90.01	114.3	1.07	1.07	1.07
114.5	3.17	3.09	3.13	0.09	27.28	89.93	114.5	1.07	1.07	1.07
114.8	3.18	3.07	3.13	0.10	27.28	89.90	114.8	1.07	1.07	1.07
115.0	3.19	3.07	3.13	0.11	27.29	89.94	115.0	1.07	1.07	1.07
115.3	3.20	3.07	3.14	0.13	27.28	89.95	115.3	1.07	1.07	1.07
115.5	3.21	3.06	3.14	0.15	27.29	89.96	115.5	1.07	1.07	1.07
115.8	3.21	3.05	3.13	0.17	27.30	89.94	115.8	1.07	1.07	1.07
116.0	3.23	3.04	3.14	0.19	27.28	89.96	116.0	1.07	1.07	1.07
116.3	3.23	3.02	3.13	0.21	27.28	89.94	116.3	1.07	1.07	1.07
116.5	3.24	3.02	3.13	0.22	27.28	90.00	116.5	1.07	1.07	1.07
116.8	3.25	3.01	3.13	0.24	27.29	89.98	116.8	1.07	1.07	1.07
117.0	3.26	3.01	3.14	0.25	27.28	89.99	117.0	1.07	1.07	1.07
117.3	3.27	3.00	3.14	0.28	27.27	89.96	117.3	1.07	1.07	1.07
117.5	3.29	2.99	3.14	0.29	27.29	89.97	117.5	1.07	1.07	1.07
117.8	3.29	2.98	3.14	0.31	27.28	89.96	117.8	1.07	1.07	1.07
118.0	3.30	2.98	3.14	0.32	27.28	90.01	118.0	1.07	1.07	1.07

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

REV. X2
SYPQ-113-1
100627
Page 1 of 1