

# 2 Way-90° Power Splitter/Combiner

# SYPQ-21.4

## Typical Performance Data

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (dB)			AMP. UNBAL. (dB)	ISOLATION (dB) 1-2	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2	AVG.					S	1	2
20.00	2.75	3.39	3.07	0.64	39.81	90.13	20.00	1.04	1.04	1.03
20.05	2.76	3.38	3.07	0.62	39.85	90.08	20.05	1.04	1.04	1.03
20.10	2.77	3.36	3.07	0.59	39.76	90.10	20.10	1.04	1.04	1.03
20.15	2.78	3.36	3.07	0.57	39.70	90.11	20.15	1.04	1.04	1.03
20.20	2.79	3.34	3.07	0.55	39.71	90.09	20.20	1.04	1.04	1.03
20.25	2.79	3.33	3.06	0.54	39.74	90.10	20.25	1.04	1.04	1.03
20.30	2.82	3.32	3.07	0.51	39.71	90.14	20.30	1.04	1.04	1.03
20.35	2.82	3.30	3.06	0.48	39.64	90.14	20.35	1.04	1.04	1.03
20.40	2.83	3.30	3.07	0.47	39.67	90.12	20.40	1.04	1.04	1.03
20.45	2.85	3.29	3.07	0.45	39.69	90.12	20.45	1.04	1.04	1.03
20.50	2.85	3.28	3.07	0.43	39.59	90.09	20.50	1.04	1.04	1.03
20.55	2.86	3.27	3.07	0.41	39.72	90.15	20.55	1.04	1.04	1.03
20.60	2.87	3.25	3.06	0.38	39.63	90.12	20.60	1.04	1.04	1.03
20.65	2.88	3.25	3.07	0.37	39.72	90.09	20.65	1.04	1.04	1.03
20.70	2.89	3.23	3.06	0.34	39.58	90.12	20.70	1.04	1.04	1.03
20.75	2.90	3.22	3.06	0.32	39.55	90.10	20.75	1.05	1.04	1.03
20.80	2.91	3.21	3.06	0.30	39.58	90.14	20.80	1.04	1.04	1.03
20.85	2.92	3.21	3.07	0.29	39.56	90.12	20.85	1.05	1.04	1.03
20.90	2.93	3.19	3.06	0.26	39.64	90.14	20.90	1.05	1.04	1.04
20.95	2.94	3.18	3.06	0.24	39.45	90.16	20.95	1.05	1.04	1.03
21.00	2.95	3.17	3.06	0.22	39.50	90.10	21.00	1.05	1.04	1.04
21.10	2.97	3.16	3.07	0.19	39.46	90.10	21.10	1.05	1.04	1.04
21.20	2.99	3.13	3.06	0.14	39.43	90.11	21.20	1.05	1.04	1.03
21.30	3.01	3.10	3.06	0.09	39.46	90.15	21.30	1.05	1.04	1.04
21.40	3.03	3.09	3.06	0.06	39.42	90.14	21.40	1.05	1.04	1.04
21.50	3.04	3.07	3.06	0.03	39.36	90.11	21.50	1.05	1.04	1.04
21.60	3.06	3.04	3.05	0.01	39.34	90.11	21.60	1.05	1.04	1.04
21.70	3.08	3.02	3.05	0.07	39.24	90.16	21.70	1.05	1.04	1.04
21.80	3.10	3.00	3.05	0.10	39.23	90.14	21.80	1.05	1.04	1.04
21.90	3.13	2.98	3.06	0.15	39.16	90.17	21.90	1.05	1.04	1.04
22.00	3.14	2.96	3.05	0.18	39.19	90.14	22.00	1.05	1.04	1.04
22.10	3.16	2.94	3.05	0.22	39.18	90.11	22.10	1.05	1.04	1.04
22.20	3.18	2.93	3.06	0.25	39.15	90.13	22.20	1.05	1.04	1.04
22.30	3.21	2.91	3.06	0.30	39.14	90.16	22.30	1.05	1.04	1.04
22.40	3.22	2.89	3.06	0.33	39.08	90.16	22.40	1.05	1.04	1.04
22.50	3.23	2.87	3.05	0.37	39.14	90.11	22.50	1.05	1.04	1.04
22.60	3.26	2.85	3.06	0.41	38.98	90.11	22.60	1.05	1.04	1.04
22.70	3.27	2.83	3.05	0.44	39.07	90.12	22.70	1.05	1.04	1.04
22.80	3.31	2.82	3.07	0.49	38.97	90.13	22.80	1.05	1.04	1.04
22.90	3.33	2.80	3.07	0.52	38.91	90.14	22.90	1.05	1.04	1.04
23.00	3.34	2.78	3.06	0.55	38.92	90.07	23.00	1.05	1.04	1.04

<sup>1</sup> Total Loss = Insertion Loss+ 3dB Splitter Loss