

2 Way-0° Power Splitter/Combiner

SYPS-ED12877/3

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					S	1	2
0.3	4.10	4.10	0.00	10.36	0.02	0.3	1.46	3.14	3.14
0.5	3.89	3.89	0.00	11.11	0.02	0.5	1.30	2.69	2.69
1.0	3.68	3.68	0.00	12.48	0.00	1.0	1.18	2.25	2.25
2.0	3.53	3.53	0.00	14.57	0.00	2.0	1.10	1.88	1.88
3.0	3.48	3.48	0.00	16.17	0.01	3.0	1.08	1.72	1.72
4.0	3.45	3.45	0.00	17.41	0.02	4.0	1.06	1.62	1.62
5.0	3.44	3.44	0.00	18.38	0.01	5.0	1.05	1.57	1.57
6.0	3.43	3.43	0.00	19.15	0.01	6.0	1.05	1.53	1.53
8.0	3.42	3.42	0.00	20.21	0.00	8.0	1.04	1.48	1.48
9.0	3.41	3.42	0.00	20.57	0.02	9.0	1.04	1.47	1.47
10.0	3.41	3.41	0.00	20.85	0.01	10.0	1.04	1.46	1.46
20.0	3.41	3.41	0.00	21.77	0.03	20.0	1.03	1.43	1.43
30.0	3.42	3.42	0.00	21.81	0.04	30.0	1.03	1.43	1.43
40.0	3.43	3.43	0.00	21.77	0.06	40.0	1.03	1.43	1.43
50.0	3.43	3.43	0.00	21.76	0.08	50.0	1.03	1.43	1.43
60.0	3.43	3.43	0.00	21.74	0.07	60.0	1.04	1.43	1.43
80.0	3.44	3.44	0.00	21.76	0.09	80.0	1.04	1.42	1.42
90.0	3.44	3.45	0.00	21.75	0.12	90.0	1.04	1.42	1.42
100.0	3.45	3.45	0.00	21.73	0.14	100.0	1.04	1.42	1.42
150.0	3.46	3.46	0.00	21.75	0.19	150.0	1.05	1.41	1.41
200.0	3.46	3.47	0.00	21.89	0.29	200.0	1.06	1.40	1.40
250.0	3.47	3.48	0.01	22.00	0.30	250.0	1.07	1.40	1.39
300.0	3.47	3.47	0.00	22.15	0.35	300.0	1.08	1.38	1.39
350.0	3.48	3.49	0.01	22.24	0.46	350.0	1.09	1.38	1.38
400.0	3.47	3.50	0.02	22.47	0.46	400.0	1.11	1.37	1.37
450.0	3.50	3.51	0.01	22.50	0.48	450.0	1.11	1.36	1.36
500.0	3.51	3.54	0.03	22.84	0.60	500.0	1.13	1.35	1.35
550.0	3.53	3.57	0.04	22.77	0.49	550.0	1.13	1.34	1.34
600.0	3.56	3.58	0.02	23.23	0.64	600.0	1.15	1.33	1.32
650.0	3.58	3.63	0.06	23.22	0.66	650.0	1.15	1.32	1.32
700.0	3.61	3.66	0.04	23.65	0.58	700.0	1.16	1.31	1.30
750.0	3.62	3.67	0.05	23.92	0.78	750.0	1.16	1.29	1.29
800.0	3.65	3.73	0.08	24.16	0.69	800.0	1.16	1.28	1.28
850.0	3.64	3.70	0.06	24.71	0.74	850.0	1.16	1.27	1.26
900.0	3.66	3.75	0.09	24.88	0.79	900.0	1.15	1.25	1.25
950.0	3.63	3.72	0.09	25.18	0.76	950.0	1.14	1.24	1.24
1000.0	3.63	3.73	0.10	25.59	0.76	1000.0	1.13	1.22	1.22
1500.0	3.88	4.01	0.13	22.49	0.58	1500.0	1.12	1.01	1.03
2000.0	4.15	4.18	0.03	19.17	0.16	2000.0	1.57	1.30	1.29
2500.0	5.28	5.25	0.03	18.75	1.12	2500.0	1.88	1.55	1.44
3000.0	5.07	4.79	0.29	17.00	2.31	3000.0	2.29	1.83	1.52
3040.0	5.58	5.03	0.55	17.59	2.71	3040.0	2.28	1.87	1.52
3060.0	5.66	5.12	0.54	17.22	2.18	3060.0	2.34	1.88	1.53
3080.0	5.79	5.29	0.50	16.91	2.66	3080.0	2.42	1.90	1.54
3100.0	6.10	5.48	0.61	17.09	3.36	3100.0	2.47	1.91	1.55
3140.0	6.58	5.81	0.77	16.90	2.60	3140.0	2.51	1.95	1.55
3160.0	6.77	6.04	0.73	16.58	2.64	3160.0	2.55	1.96	1.56
3180.0	7.14	6.39	0.75	16.59	3.21	3180.0	2.63	1.98	1.57
3200.0	7.48	6.68	0.80	16.35	4.17	3200.0	2.78	1.98	1.57
3240.0	8.12	7.23	0.88	15.88	2.94	3240.0	2.77	2.01	1.61
3260.0	8.59	7.67	0.91	15.81	3.77	3260.0	2.80	2.02	1.62
3280.0	9.14	8.10	1.04	15.63	4.06	3280.0	2.89	2.03	1.63
3300.0	9.55	8.46	1.10	15.28	3.78	3300.0	2.98	2.05	1.64

¹ Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2

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