

3 Way-0° Power Splitter/Combiner

SYPS-ED12377/2

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-3		1-2	1-3	2-3			S	1	2	3
2.0	5.93	5.93	5.93	0.00	20.21	21.54	20.52	0.02	2.0	2.56	1.76	1.71	1.78
3.0	5.49	5.49	5.49	0.01	23.56	24.95	23.88	0.03	3.0	1.84	1.51	1.48	1.52
4.0	5.41	5.40	5.40	0.01	26.04	27.40	26.32	0.01	4.0	1.56	1.40	1.38	1.40
5.0	5.39	5.39	5.40	0.00	27.92	29.26	28.11	0.02	5.0	1.43	1.35	1.33	1.35
6.0	5.40	5.39	5.39	0.00	29.21	30.49	29.42	0.03	6.0	1.35	1.32	1.30	1.32
7.0	5.40	5.40	5.40	0.00	30.18	31.41	30.37	0.05	7.0	1.30	1.30	1.28	1.30
8.0	5.41	5.40	5.40	0.01	30.86	32.05	31.12	0.03	8.0	1.27	1.28	1.27	1.28
9.0	5.41	5.41	5.41	0.00	31.56	32.65	31.70	0.02	9.0	1.25	1.27	1.26	1.27
10.0	5.41	5.40	5.39	0.01	31.73	32.74	31.88	0.02	10.0	1.23	1.26	1.26	1.27
20.0	5.38	5.38	5.38	0.01	32.99	33.46	33.07	0.05	20.0	1.16	1.24	1.23	1.24
30.0	5.35	5.35	5.35	0.01	32.58	32.95	32.66	0.03	30.0	1.13	1.23	1.23	1.23
40.0	5.33	5.32	5.33	0.01	32.17	32.70	32.35	0.06	40.0	1.11	1.22	1.22	1.22
50.0	5.31	5.32	5.31	0.01	32.02	32.38	32.11	0.04	50.0	1.10	1.22	1.22	1.22
100.0	5.28	5.28	5.27	0.01	30.50	31.13	30.93	0.07	100.0	1.07	1.20	1.20	1.20
150.0	5.29	5.29	5.29	0.00	29.63	30.60	30.08	0.17	150.0	1.06	1.19	1.19	1.19
200.0	5.30	5.29	5.30	0.00	28.54	29.75	29.27	0.18	200.0	1.05	1.18	1.18	1.18
250.0	5.32	5.32	5.32	0.00	27.88	29.18	28.66	0.27	250.0	1.05	1.17	1.17	1.17
300.0	5.34	5.33	5.34	0.01	27.02	28.67	28.08	0.33	300.0	1.05	1.16	1.17	1.17
350.0	5.37	5.35	5.37	0.02	26.34	28.28	27.58	0.38	350.0	1.05	1.16	1.17	1.16
400.0	5.40	5.37	5.38	0.03	25.73	28.07	27.15	0.39	400.0	1.06	1.15	1.16	1.16
450.0	5.44	5.40	5.42	0.04	25.05	27.57	26.63	0.52	450.0	1.06	1.15	1.16	1.16
500.0	5.48	5.43	5.46	0.05	24.53	27.25	26.25	0.49	500.0	1.06	1.15	1.17	1.16
550.0	5.51	5.47	5.49	0.05	23.87	26.77	25.76	0.68	550.0	1.07	1.16	1.17	1.16
600.0	5.56	5.51	5.53	0.06	23.37	26.42	25.28	0.64	600.0	1.07	1.16	1.17	1.15
650.0	5.61	5.54	5.56	0.07	22.66	25.87	24.69	0.80	650.0	1.07	1.16	1.17	1.15
700.0	5.66	5.57	5.61	0.09	22.13	25.33	24.11	0.82	700.0	1.07	1.16	1.17	1.15
750.0	5.71	5.61	5.65	0.10	21.48	24.76	23.50	0.93	750.0	1.08	1.17	1.17	1.15
800.0	5.79	5.68	5.71	0.12	20.93	24.22	22.98	1.09	800.0	1.09	1.17	1.18	1.15
850.0	5.84	5.71	5.75	0.13	20.35	23.65	22.34	1.19	850.0	1.11	1.18	1.18	1.14
860.0	5.86	5.71	5.76	0.14	20.22	23.52	22.27	1.20	860.0	1.12	1.18	1.18	1.14
900.0	5.91	5.76	5.80	0.15	19.89	23.24	21.97	1.30	900.0	1.13	1.18	1.19	1.15
960.0	6.02	5.83	5.87	0.18	19.45	22.81	21.50	1.51	960.0	1.16	1.20	1.21	1.15
1020.0	6.10	5.90	5.93	0.20	19.01	22.43	21.17	1.79	1020.0	1.19	1.22	1.22	1.16
1080.0	6.21	5.98	5.99	0.23	18.75	22.34	20.98	2.04	1080.0	1.21	1.25	1.24	1.17
1140.0	6.30	6.04	6.06	0.26	18.64	22.28	20.90	2.41	1140.0	1.24	1.28	1.27	1.19
1200.0	6.43	6.14	6.14	0.29	18.59	22.49	20.92	2.84	1200.0	1.28	1.31	1.29	1.20
1260.0	6.54	6.22	6.22	0.32	18.52	22.52	20.73	3.21	1260.0	1.32	1.33	1.32	1.22
1320.0	6.68	6.30	6.32	0.38	18.33	22.27	20.25	3.74	1320.0	1.38	1.34	1.33	1.23
1380.0	6.88	6.48	6.46	0.42	17.86	21.46	19.27	4.27	1380.0	1.47	1.35	1.34	1.23
1440.0	7.16	6.72	6.70	0.46	17.00	19.93	17.81	4.96	1440.0	1.58	1.34	1.34	1.24
1500.0	7.46	6.98	6.97	0.49	15.93	18.31	16.20	5.59	1500.0	1.72	1.32	1.32	1.22

¹ Total Loss = Insertion Loss + 4.8dB Splitter Loss