

2 Way-0° Power Splitter/Combiner

SYPS-2-282-75+

Typical Performance Data

FREQUENCY (MHz)	TOTAL LOSS ¹ (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB)	PHASE UNBALANCE (deg.)	FREQUENCY (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
	3.0	3.47					3.43	0.03	15.34
4.0	3.44	3.41	0.03	16.53	0.12	4.0	1.06	1.67	1.68
5.0	3.43	3.40	0.03	17.50	0.12	5.0	1.05	1.61	1.62
6.0	3.42	3.39	0.03	18.29	0.12	6.0	1.04	1.56	1.57
7.0	3.42	3.38	0.03	18.93	0.11	7.0	1.04	1.53	1.54
8.0	3.41	3.38	0.03	19.46	0.12	8.0	1.04	1.51	1.52
9.0	3.41	3.38	0.03	19.89	0.10	9.0	1.04	1.49	1.50
10.0	3.41	3.38	0.03	20.25	0.10	10.0	1.04	1.48	1.49
20.0	3.42	3.38	0.03	21.68	0.09	20.0	1.03	1.44	1.45
30.0	3.43	3.39	0.04	21.87	0.05	30.0	1.03	1.43	1.44
40.0	3.43	3.40	0.04	21.87	0.05	40.0	1.03	1.43	1.44
50.0	3.44	3.40	0.04	21.82	0.01	50.0	1.04	1.43	1.44
60.0	3.45	3.41	0.04	21.80	0.02	60.0	1.04	1.43	1.44
70.0	3.45	3.41	0.04	21.80	0.01	70.0	1.04	1.43	1.44
80.0	3.45	3.42	0.04	21.79	0.01	80.0	1.04	1.43	1.43
90.0	3.45	3.42	0.03	21.78	0.03	90.0	1.05	1.43	1.43
100.0	3.46	3.43	0.03	21.76	0.06	100.0	1.05	1.43	1.43
150.0	3.47	3.44	0.04	21.79	0.10	150.0	1.07	1.42	1.43
200.0	3.47	3.44	0.03	22.03	0.23	200.0	1.08	1.41	1.41
250.0	3.49	3.46	0.03	22.17	0.26	250.0	1.11	1.39	1.41
300.0	3.49	3.45	0.03	22.45	0.33	300.0	1.12	1.39	1.40
350.0	3.50	3.48	0.03	22.52	0.44	350.0	1.14	1.37	1.39
400.0	3.50	3.49	0.02	22.92	0.48	400.0	1.15	1.37	1.39
450.0	3.52	3.49	0.03	22.96	0.47	450.0	1.18	1.35	1.38
500.0	3.53	3.52	0.01	23.47	0.74	500.0	1.19	1.35	1.38
550.0	3.54	3.54	0.00	23.60	0.55	550.0	1.21	1.34	1.37
600.0	3.55	3.54	0.02	24.27	0.70	600.0	1.22	1.34	1.37
650.0	3.56	3.57	0.02	24.44	0.78	650.0	1.24	1.33	1.36
700.0	3.58	3.59	0.01	25.27	0.67	700.0	1.25	1.33	1.36
750.0	3.59	3.59	0.01	25.76	0.89	750.0	1.26	1.33	1.35
800.0	3.60	3.65	0.05	26.42	0.83	800.0	1.27	1.32	1.35
850.0	3.60	3.62	0.02	27.56	0.82	850.0	1.27	1.32	1.33
900.0	3.62	3.67	0.06	28.12	0.96	900.0	1.28	1.31	1.33
950.0	3.62	3.67	0.05	29.55	0.92	950.0	1.28	1.30	1.31
1000.0	3.62	3.69	0.07	30.66	0.96	1000.0	1.28	1.29	1.31
1100.0	3.63	3.72	0.09	33.27	1.09	1100.0	1.27	1.26	1.28
1200.0	3.66	3.74	0.08	33.93	1.24	1200.0	1.24	1.22	1.24
1300.0	3.68	3.74	0.06	31.56	1.08	1300.0	1.21	1.18	1.20
1375.0	3.68	3.76	0.07	29.37	1.05	1375.0	1.19	1.14	1.17
1400.0	3.70	3.77	0.06	28.30	0.92	1400.0	1.17	1.13	1.16
1500.0	3.71	3.80	0.08	26.27	0.81	1500.0	1.14	1.08	1.12
1600.0	3.74	3.83	0.09	25.14	0.78	1600.0	1.11	1.03	1.08
1700.0	3.78	3.87	0.09	24.12	0.73	1700.0	1.10	1.02	1.06
1800.0	3.85	3.93	0.08	22.96	0.63	1800.0	1.12	1.05	1.06
1900.0	3.92	3.99	0.07	22.55	0.52	1900.0	1.15	1.08	1.09
2000.0	3.99	4.05	0.06	22.39	0.42	2000.0	1.19	1.09	1.12
2100.0	4.07	4.10	0.03	22.12	0.33	2100.0	1.23	1.10	1.15
2200.0	4.13	4.15	0.02	22.05	0.20	2200.0	1.26	1.11	1.17
2300.0	4.18	4.18	0.00	22.81	0.11	2300.0	1.28	1.14	1.18
2400.0	4.23	4.20	0.04	23.46	0.16	2400.0	1.29	1.18	1.19
2500.0	4.33	4.25	0.08	23.15	0.23	2500.0	1.30	1.22	1.20
2600.0	4.47	4.31	0.16	22.96	0.39	2600.0	1.29	1.26	1.20
2700.0	4.57	4.35	0.22	23.50	0.21	2700.0	1.28	1.25	1.19
2750.0	4.56	4.35	0.21	24.26	0.54	2750.0	1.26	1.26	1.19
2800.0	4.61	4.34	0.27	23.29	0.24	2800.0	1.26	1.26	1.19
2900.0	4.74	4.45	0.29	23.57	0.29	2900.0	1.26	1.26	1.21
3000.0	4.92	4.57	0.35	24.32	0.37	3000.0	1.26	1.28	1.22
3020.0	4.97	4.59	0.38	25.60	0.65	3020.0	1.27	1.30	1.23
3040.0	5.03	4.59	0.44	25.36	0.54	3040.0	1.29	1.28	1.23
3060.0	5.08	4.63	0.45	24.35	0.24	3060.0	1.29	1.27	1.23
3080.0	5.12	4.69	0.43	24.43	0.34	3080.0	1.29	1.29	1.24
3100.0	5.17	4.72	0.45	25.22	0.76	3100.0	1.29	1.32	1.25
3120.0	5.24	4.72	0.51	24.92	0.86	3120.0	1.31	1.33	1.27
3140.0	5.30	4.76	0.54	24.05	0.71	3140.0	1.33	1.33	1.26
3160.0	5.35	4.83	0.52	23.90	0.72	3160.0	1.34	1.33	1.26
3180.0	5.41	4.89	0.52	24.27	1.06	3180.0	1.34	1.35	1.29
3200.0	5.50	4.92	0.58	23.99	1.23	3200.0	1.33	1.38	1.30

¹Total Loss = Insertion Loss + 3dB Solitler Loss

