

2 Way-0° Power Splitter/Combiner

SYPS-ED12877/2

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	1	2
1.0	6.33	6.32	0.01	19.55	0.01	1.0	5.93	4.83	4.84
2.0	4.19	4.18	0.01	18.82	0.01	2.0	2.63	2.65	2.65
3.0	3.69	3.68	0.01	19.22	0.00	3.0	1.87	2.04	2.04
4.0	3.58	3.57	0.01	20.00	0.02	4.0	1.57	1.78	1.78
5.0	3.58	3.58	0.01	20.80	0.02	5.0	1.42	1.66	1.66
6.0	3.60	3.60	0.01	21.46	0.01	6.0	1.34	1.58	1.58
7.0	3.62	3.62	0.01	22.00	0.01	7.0	1.29	1.53	1.53
8.0	3.64	3.63	0.00	22.39	0.02	8.0	1.25	1.50	1.50
9.0	3.64	3.64	0.01	22.66	0.01	9.0	1.23	1.48	1.48
10.0	3.65	3.64	0.01	22.84	0.02	10.0	1.21	1.46	1.46
20.0	3.60	3.60	0.00	22.73	0.00	20.0	1.13	1.38	1.38
40.0	3.55	3.55	0.00	21.72	0.04	40.0	1.08	1.36	1.36
60.0	3.54	3.53	0.00	21.27	0.05	60.0	1.05	1.35	1.35
80.0	3.53	3.53	0.01	21.05	0.05	80.0	1.04	1.34	1.34
100.0	3.53	3.53	0.00	20.91	0.09	100.0	1.03	1.34	1.34
150.0	3.54	3.53	0.01	20.78	0.09	150.0	1.01	1.33	1.33
200.0	3.54	3.53	0.01	20.70	0.17	200.0	1.01	1.32	1.32
300.0	3.55	3.54	0.00	20.72	0.19	300.0	1.03	1.31	1.31
350.0	3.56	3.56	0.00	20.64	0.25	350.0	1.04	1.30	1.30
400.0	3.56	3.57	0.01	20.75	0.25	400.0	1.05	1.29	1.29
450.0	3.58	3.58	0.00	20.56	0.20	450.0	1.05	1.28	1.28
500.0	3.59	3.61	0.02	20.80	0.33	500.0	1.06	1.28	1.27
550.0	3.61	3.63	0.02	20.60	0.17	550.0	1.07	1.26	1.26
600.0	3.64	3.65	0.01	20.82	0.29	600.0	1.07	1.26	1.25
650.0	3.65	3.69	0.04	20.72	0.26	650.0	1.07	1.25	1.25
700.0	3.68	3.71	0.03	20.84	0.16	700.0	1.08	1.24	1.24
750.0	3.69	3.73	0.04	20.95	0.31	750.0	1.07	1.23	1.22
800.0	3.71	3.79	0.07	20.90	0.17	800.0	1.08	1.21	1.22
900.0	3.72	3.81	0.09	21.06	0.20	900.0	1.07	1.18	1.19
1000.0	3.71	3.80	0.09	21.22	0.14	1000.0	1.05	1.15	1.16
1100.0	3.70	3.81	0.11	21.10	0.08	1100.0	1.03	1.12	1.13
1200.0	3.73	3.85	0.12	20.73	0.04	1200.0	1.04	1.08	1.09
1300.0	3.82	3.93	0.12	20.30	0.06	1300.0	1.08	1.05	1.06
1400.0	3.94	4.04	0.11	19.72	0.21	1400.0	1.13	1.04	1.05
1500.0	4.01	4.12	0.11	19.26	0.46	1500.0	1.19	1.07	1.07
1600.0	4.03	4.14	0.11	18.97	0.56	1600.0	1.25	1.11	1.12
1700.0	4.02	4.13	0.10	18.65	0.75	1700.0	1.33	1.16	1.17
1800.0	4.04	4.13	0.09	18.29	0.89	1800.0	1.41	1.21	1.22
1900.0	4.18	4.26	0.07	18.05	1.05	1900.0	1.49	1.26	1.27
2000.0	4.50	4.56	0.06	18.21	1.23	2000.0	1.55	1.31	1.31
2100.0	4.95	4.98	0.03	18.35	1.32	2100.0	1.60	1.34	1.34
2200.0	5.36	5.36	0.00	18.39	1.46	2200.0	1.63	1.36	1.36
2300.0	5.60	5.58	0.02	18.48	1.59	2300.0	1.65	1.37	1.37
2400.0	5.60	5.55	0.05	18.73	1.62	2400.0	1.67	1.38	1.37
2500.0	5.35	5.28	0.07	18.85	1.66	2500.0	1.68	1.40	1.38
2600.0	4.94	4.88	0.06	18.61	1.52	2600.0	1.69	1.42	1.38
2700.0	4.63	4.57	0.05	18.67	1.06	2700.0	1.72	1.44	1.38
2800.0	4.66	4.56	0.10	19.26	0.26	2800.0	1.73	1.45	1.37
2900.0	5.07	4.89	0.18	19.64	0.56	2900.0	1.74	1.46	1.35
3000.0	5.74	5.43	0.32	19.78	1.28	3000.0	1.73	1.46	1.32
3100.0	6.42	5.91	0.51	19.81	1.56	3100.0	1.76	1.46	1.29
3200.0	6.88	6.24	0.64	19.66	1.55	3200.0	1.88	1.46	1.26
3300.0	7.32	6.61	0.70	18.78	1.54	3300.0	2.05	1.46	1.24

¹Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2

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