

# 2 Way-0° Power Splitter/Combiner

# SYPS-ED14458/1

## 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					S	1	2
400.0	3.31	3.29	0.02	20.08	0.02	400.0	1.39	1.35	1.34
450.0	3.31	3.29	0.01	20.21	0.03	450.0	1.36	1.33	1.32
500.0	3.30	3.29	0.01	20.28	0.04	500.0	1.34	1.31	1.29
550.0	3.32	3.30	0.01	20.42	0.04	550.0	1.33	1.30	1.28
600.0	3.31	3.30	0.01	20.38	0.03	600.0	1.32	1.28	1.26
650.0	3.30	3.30	0.00	20.39	0.06	650.0	1.31	1.27	1.25
700.0	3.31	3.31	0.00	20.36	0.06	700.0	1.31	1.26	1.24
750.0	3.31	3.32	0.01	20.38	0.06	750.0	1.30	1.25	1.22
800.0	3.32	3.33	0.01	20.34	0.08	800.0	1.30	1.24	1.21
850.0	3.32	3.34	0.01	20.31	0.10	850.0	1.29	1.23	1.20
900.0	3.34	3.36	0.02	20.20	0.16	900.0	1.30	1.23	1.19
950.0	3.34	3.37	0.03	20.12	0.20	950.0	1.30	1.22	1.18
1000.0	3.36	3.39	0.03	20.02	0.27	1000.0	1.30	1.21	1.17
1050.0	3.37	3.40	0.04	19.91	0.31	1050.0	1.31	1.20	1.16
1100.0	3.38	3.42	0.04	19.76	0.35	1100.0	1.31	1.20	1.15
1150.0	3.39	3.44	0.05	19.61	0.42	1150.0	1.32	1.19	1.15
1200.0	3.40	3.45	0.05	19.46	0.47	1200.0	1.32	1.18	1.14
1250.0	3.42	3.47	0.05	19.28	0.54	1250.0	1.33	1.18	1.13
1300.0	3.43	3.49	0.05	19.10	0.61	1300.0	1.34	1.17	1.12
1350.0	3.46	3.51	0.05	18.91	0.66	1350.0	1.36	1.17	1.11
1400.0	3.47	3.52	0.05	18.76	0.75	1400.0	1.37	1.16	1.11
1450.0	3.50	3.54	0.05	18.56	0.82	1450.0	1.38	1.16	1.10
1500.0	3.52	3.56	0.04	18.39	0.91	1500.0	1.39	1.15	1.10
1550.0	3.54	3.58	0.04	18.18	0.99	1550.0	1.41	1.15	1.10
1600.0	3.56	3.60	0.03	18.02	1.06	1600.0	1.42	1.15	1.10
1650.0	3.58	3.61	0.03	17.84	1.16	1650.0	1.44	1.15	1.11
1700.0	3.61	3.63	0.02	17.68	1.24	1700.0	1.45	1.15	1.10
1750.0	3.63	3.65	0.01	17.50	1.33	1750.0	1.47	1.15	1.11
1800.0	3.66	3.67	0.01	17.35	1.42	1800.0	1.48	1.15	1.11
1850.0	3.68	3.69	0.00	17.23	1.50	1850.0	1.50	1.16	1.12
1900.0	3.70	3.70	0.00	17.11	1.61	1900.0	1.51	1.16	1.12
1950.0	3.73	3.72	0.00	17.01	1.71	1950.0	1.52	1.17	1.13
2000.0	3.75	3.74	0.01	16.93	1.79	2000.0	1.53	1.17	1.13
2050.0	3.78	3.76	0.01	16.87	1.86	2050.0	1.54	1.18	1.13
2100.0	3.79	3.78	0.02	16.85	1.91	2100.0	1.55	1.18	1.14
2150.0	3.83	3.80	0.03	16.85	2.02	2150.0	1.56	1.19	1.14
2200.0	3.86	3.83	0.03	16.94	2.09	2200.0	1.56	1.19	1.15
2250.0	3.88	3.83	0.04	17.04	2.14	2250.0	1.56	1.19	1.15
2300.0	3.88	3.82	0.05	17.09	2.25	2300.0	1.55	1.20	1.15
2350.0	3.90	3.84	0.06	17.15	2.38	2350.0	1.55	1.20	1.16
2400.0	3.91	3.84	0.07	17.29	2.48	2400.0	1.54	1.20	1.15
2450.0	3.94	3.87	0.07	17.42	2.55	2450.0	1.53	1.20	1.16
2500.0	3.95	3.86	0.09	17.64	2.54	2500.0	1.53	1.21	1.16
2550.0	3.98	3.88	0.10	17.82	2.65	2550.0	1.51	1.21	1.16
2600.0	4.00	3.88	0.12	18.11	2.70	2600.0	1.50	1.21	1.17
2650.0	4.04	3.90	0.14	18.40	2.81	2650.0	1.48	1.21	1.17
2700.0	4.06	3.91	0.16	18.68	2.86	2700.0	1.48	1.22	1.18
2750.0	4.11	3.93	0.18	19.05	2.94	2750.0	1.48	1.22	1.19
2800.0	4.15	3.94	0.21	19.45	3.00	2800.0	1.47	1.24	1.21
2850.0	4.21	3.98	0.23	19.90	3.01	2850.0	1.48	1.25	1.23
2900.0	4.25	3.99	0.26	20.40	2.98	2900.0	1.49	1.26	1.25
2950.0	4.33	4.04	0.29	20.90	2.96	2950.0	1.51	1.28	1.29
3000.0	4.40	4.07	0.33	21.45	2.89	3000.0	1.53	1.30	1.31

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

