2 Way-0° Power Splitter/Combiner SYPS-ED13830/1

Typical Performance Data

FREQUENCY (MHz)	TOTAL LOSS[1] (dB) S-1	TOTAL LOSS[1] (dB) S-2	AMPLITUDE UNBALANCE (dB)	ISOLATION (dB) 1-2	PHASE UNBALANCE (deg.)
10.0	3.50	3.49	0.01	25.48	0.07
30.0	3.46	3.46	0.00	29.42	0.06
50.0	3.44	3.44	0.00	29.08	0.06
70.0	3.42	3.42	0.00	28.48	0.08
90.0	3.43	3.42	0.00	28.41	0.11
100.0	3.42	3.43	0.00	28.41	0.12
200.0	3.42	3.43	0.01	28.22	0.19
300.0	3.45	3.46	0.01	28.11	0.29
400.0	3.46	3.48	0.01	27.96	0.27
500.0	3.49	3.52	0.03	27.56	0.34
600.0	3.50	3.55	0.04	26.64	0.43
700.0	3.53	3.58	0.05	25.61	0.47
800.0	3.56	3.62	0.06	24.69	0.58
900.0	3.60	3.67	0.07	23.75	0.64
1000.0	3.62	3.71	0.09	22.88	0.73
1100.0	3.65	3.77	0.12	22.15	0.78
1200.0	3.70	3.81	0.12	21.59	0.96
1300.0	3.74	3.85	0.12	21.06	1.03
1400.0	3.77	3.90	0.13	20.72	1.23
1500.0	3.82	3.95	0.13	20.50	1.33
1550.0	3.83	3.96	0.13	20.42	1.45
1600.0	3.85	3.99	0.14	20.38	1.48
1650.0	3.86	3.99	0.13	20.36	1.55
1700.0	3.88	4.02	0.14	20.41	1.63
1750.0	3.90	4.03	0.12	20.45	1.68
1800.0	3.92	4.04	0.13	20.59	1.76
1850.0	3.92	4.05	0.13	20.70	1.98
1900.0	3.94	4.06	0.12	20.83	1.94
1950.0	3.96	4.07	0.11	21.07	2.01
2000.0	3.98	4.08	0.10	21.32	2.07
2050.0	3.98	4.08	0.10	21.59	2.20
2100.0	3.99	4.09	0.10	21.96	2.26
2150.0	4.02	4.11	0.09	22.38	2.35
2200.0	4.02	4.11	0.09	22.77	2.38
2250.0	4.05	4.13	0.08	23.20	2.47
2300.0	4.07	4.14	0.08	23.76	2.51
2350.0	4.09	4.16	0.07	24.15	2.57
2400.0	4.10	4.17	0.07	24.55	2.58
2450.0	4.12	4.20	0.08	24.74	2.65
2500.0	4.16	4.22	0.06	24.76	2.71
2550.0	4.21	4.26	0.06	24.49	2.77
2600.0	4.25	4.29	0.04	24.02	2.77
2650.0	4.29	4.35	0.06	23.18	2.71
2700.0	4.35	4.39	0.04	22.41	2.74
2750.0	4.42	4.46	0.03	21.48	2.58
2800.0	4.50	4.49	0.01	20.58	2.51
2850.0	4.58	4.55	0.03	19.66	2.46
2900.0	4.67	4.63	0.04	18.74	2.51
2920.0	4.74	4.66	0.08	18.45	2.40
2940.0	4.78	4.69	0.09	18.10	2.37
2960.0	4.81	4.73	0.08	17.73	2.36
2980.0	4.86	4.77	0.10	17.42	2.34
3000.0	4.93	4.82	0.11	17.10	2.34

FREQUENCY (MHz)	VSWR (:1) S	VSWR (:1) 1	VSWR (:1) 2
10.0	1.15	1.43	1.43
30.0	1.08	1.32	1.32
50.0	1.08	1.30	1.30
70.0	1.08	1.29	1.29
90.0	1.08	1.29	1.29
100.0	1.09	1.29	1.29
200.0	1.11	1.28	1.28
300.0	1.15	1.27	1.28
400.0	1.17	1.27	1.27
500.0	1.20	1.27	1.27
600.0	1.23	1.27	1.27
700.0	1.26	1.28	1.27
800.0	1.30	1.28	1.26
900.0	1.33	1.28	1.27
1000.0	1.36	1.28	1.27
1100.0	1.39	1.29	1.28
1200.0	1.42	1.29	1.29
1300.0	1.45	1.30	1.30
1400.0	1.48	1.30	1.31
1500.0	1.50	1.31	1.32
1550.0	1.51	1.31	1.33
1600.0	1.52	1.32	1.33
1650.0	1.53	1.32	1.34
1700.0	1.53	1.32	1.34
1750.0	1.53	1.33	1.34
1800.0	1.53	1.33	1.34
1850.0	1.53	1.33	1.34
1900.0	1.53	1.33	1.34
1950.0	1.52	1.33	1.34
2000.0	1.52	1.33	1.34
2050.0	1.50	1.33	1.33
2100.0	1.49	1.32	1.32
2150.0	1.48	1.32	1.31
2200.0	1.47	1.32	1.30
2250.0	1.45	1.31	1.29
2300.0	1.43	1.30	1.28
2350.0	1.42	1.30	1.26
2400.0	1.40	1.29	1.25
2450.0	1.39	1.28	1.23
2500.0	1.38	1.27	1.22
2550.0	1.38	1.26	1.20
2600.0	1.38	1.25	1.19
2650.0	1.38	1.24	1.18
2700.0	1.40	1.23	1.17
2750.0	1.43	1.23	1.16
2800.0	1.46	1.23	1.16
2850.0	1.50	1.24	1.16
2900.0	1.54	1.24	1.17
2920.0	1.57	1.25	1.17
2940.0	1.59	1.25	1.17
2960.0	1.60	1.26	1.18
2980.0	1.63	1.26	1.19
3000.0	1.65	1.27	1.19

[1]Total Loss = Insertion Loss + 3dB Splitter Loss