

2 Way-0° Power Splitter/Combiner

SYPS-ED13830/5

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
300.0	3.42	3.42	0.00	19.45	0.12	300.0	1.55	1.48	1.48
350.0	3.41	3.41	0.00	19.72	0.15	350.0	1.52	1.46	1.46
400.0	3.40	3.40	0.00	19.84	0.14	400.0	1.50	1.44	1.44
450.0	3.40	3.41	0.01	20.08	0.11	450.0	1.49	1.43	1.43
500.0	3.41	3.42	0.00	20.26	0.05	500.0	1.48	1.42	1.42
600.0	3.43	3.43	0.00	20.57	0.08	600.0	1.49	1.41	1.40
700.0	3.45	3.47	0.03	20.68	0.07	700.0	1.50	1.40	1.39
800.0	3.48	3.51	0.02	20.55	0.03	800.0	1.51	1.39	1.38
900.0	3.52	3.54	0.02	20.36	0.14	900.0	1.54	1.38	1.38
1000.0	3.56	3.58	0.02	20.05	0.21	1000.0	1.57	1.38	1.37
1100.0	3.61	3.63	0.02	19.61	0.18	1100.0	1.61	1.38	1.37
1200.0	3.67	3.68	0.01	19.08	0.32	1200.0	1.64	1.38	1.37
1300.0	3.72	3.74	0.02	18.63	0.38	1300.0	1.68	1.38	1.37
1400.0	3.77	3.79	0.03	18.15	0.45	1400.0	1.72	1.39	1.38
1500.0	3.82	3.86	0.05	17.71	0.48	1500.0	1.76	1.39	1.39
1550.0	3.85	3.89	0.04	17.58	0.56	1550.0	1.78	1.40	1.39
1600.0	3.89	3.93	0.04	17.46	0.63	1600.0	1.80	1.40	1.40
1650.0	3.90	3.96	0.06	17.29	0.60	1650.0	1.83	1.41	1.41
1700.0	3.93	3.98	0.06	17.14	0.71	1700.0	1.83	1.41	1.41
1750.0	3.95	4.02	0.07	17.01	0.75	1750.0	1.86	1.42	1.43
1800.0	3.98	4.05	0.08	16.94	0.78	1800.0	1.88	1.43	1.43
1850.0	4.01	4.08	0.07	16.79	0.92	1850.0	1.90	1.43	1.44
1900.0	4.02	4.10	0.08	16.78	0.92	1900.0	1.91	1.44	1.45
1950.0	4.05	4.13	0.08	16.78	0.90	1950.0	1.92	1.44	1.46
2000.0	4.07	4.14	0.07	16.76	1.08	2000.0	1.92	1.45	1.46
2050.0	4.09	4.16	0.07	16.74	1.17	2050.0	1.93	1.46	1.47
2100.0	4.12	4.19	0.07	16.75	1.23	2100.0	1.94	1.46	1.48
2150.0	4.15	4.21	0.06	16.80	1.27	2150.0	1.94	1.46	1.48
2200.0	4.18	4.22	0.05	16.81	1.28	2200.0	1.93	1.47	1.49
2250.0	4.18	4.22	0.04	17.00	1.63	2250.0	1.92	1.46	1.49
2300.0	4.18	4.23	0.05	17.03	1.59	2300.0	1.92	1.46	1.49
2350.0	4.19	4.23	0.05	17.12	1.70	2350.0	1.91	1.47	1.49
2400.0	4.20	4.25	0.06	17.21	1.66	2400.0	1.91	1.47	1.50
2450.0	4.21	4.25	0.04	17.29	1.65	2450.0	1.89	1.47	1.49
2500.0	4.21	4.25	0.03	17.44	1.77	2500.0	1.88	1.47	1.49
2550.0	4.22	4.25	0.02	17.60	1.74	2550.0	1.85	1.46	1.48
2600.0	4.22	4.24	0.02	17.80	1.78	2600.0	1.82	1.46	1.47
2650.0	4.23	4.23	0.01	18.01	1.83	2650.0	1.79	1.45	1.46
2700.0	4.24	4.23	0.01	18.18	1.93	2700.0	1.75	1.45	1.45
2750.0	4.23	4.20	0.03	18.49	1.82	2750.0	1.73	1.43	1.44
2800.0	4.25	4.19	0.06	18.67	1.64	2800.0	1.70	1.43	1.41
2850.0	4.25	4.18	0.06	19.00	1.81	2850.0	1.65	1.41	1.39
2900.0	4.26	4.19	0.07	19.34	1.89	2900.0	1.61	1.39	1.37
2950.0	4.24	4.17	0.07	19.67	1.76	2950.0	1.56	1.37	1.35
3000.0	4.25	4.18	0.07	20.13	1.64	3000.0	1.51	1.35	1.33
3050.0	4.26	4.19	0.07	20.48	1.61	3050.0	1.47	1.33	1.31
3100.0	4.27	4.19	0.08	20.88	1.45	3100.0	1.43	1.31	1.28
3150.0	4.26	4.18	0.09	21.44	1.30	3150.0	1.39	1.29	1.26
3200.0	4.30	4.19	0.11	22.02	1.18	3200.0	1.34	1.27	1.23
3250.0	4.31	4.19	0.12	22.46	1.05	3250.0	1.30	1.24	1.20
3300.0	4.35	4.22	0.13	23.02	0.93	3300.0	1.26	1.22	1.18
3350.0	4.39	4.24	0.15	23.35	0.73	3350.0	1.22	1.19	1.16
3400.0	4.44	4.27	0.16	23.58	0.59	3400.0	1.21	1.17	1.14
3450.0	4.49	4.33	0.17	23.80	0.35	3450.0	1.19	1.14	1.11
3500.0	4.55	4.36	0.19	23.86	0.12	3500.0	1.18	1.12	1.10
3550.0	4.62	4.42	0.19	23.66	0.20	3550.0	1.17	1.11	1.08
3600.0	4.71	4.49	0.22	23.30	0.55	3600.0	1.17	1.09	1.07

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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