

4 Way-0° Power Splitter/Combiner

SY4PS-ED13919/3

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-3	S-4		1-2	1-3	3-4			S	1	2	3	4
5.0	7.82	7.81	7.92	7.93	0.11	23.88	27.86	24.03	0.49	5.0	1.33	1.89	1.90	1.94	1.94
7.0	7.74	7.74	7.83	7.84	0.10	24.10	30.05	23.99	0.34	7.0	1.26	1.75	1.75	1.78	1.78
9.0	7.70	7.70	7.80	7.79	0.10	24.23	31.79	24.03	0.28	9.0	1.22	1.67	1.68	1.69	1.69
10.0	7.70	7.68	7.78	7.78	0.10	24.32	32.41	24.04	0.26	10.0	1.21	1.65	1.65	1.67	1.67
40.0	7.72	7.71	7.80	7.80	0.09	24.90	41.89	24.44	0.20	40.0	1.16	1.57	1.56	1.57	1.57
70.0	7.75	7.74	7.82	7.82	0.08	24.99	43.97	24.61	0.16	70.0	1.16	1.56	1.56	1.56	1.56
100.0	7.76	7.75	7.83	7.83	0.08	24.93	44.86	24.54	0.20	100.0	1.15	1.55	1.55	1.56	1.56
400.0	7.82	7.81	7.88	7.89	0.08	21.95	42.15	21.72	0.25	400.0	1.13	1.45	1.46	1.47	1.46
700.0	7.90	7.89	7.96	7.96	0.07	19.71	37.75	19.44	0.58	700.0	1.08	1.30	1.31	1.34	1.32
1000.0	7.97	7.97	8.03	8.03	0.06	19.15	34.77	18.86	0.76	1000.0	1.01	1.15	1.16	1.16	1.14
1100.0	8.00	8.00	8.06	8.06	0.06	19.42	34.35	19.13	0.83	1100.0	1.01	1.11	1.12	1.11	1.09
1200.0	8.04	8.03	8.11	8.10	0.07	19.73	34.05	19.39	0.95	1200.0	1.03	1.07	1.08	1.07	1.07
1300.0	8.09	8.08	8.14	8.13	0.07	20.40	34.04	20.00	1.14	1300.0	1.05	1.05	1.03	1.04	1.06
1400.0	8.13	8.11	8.18	8.17	0.07	21.03	34.18	20.57	1.34	1400.0	1.07	1.05	1.02	1.04	1.08
1500.0	8.18	8.15	8.22	8.20	0.07	21.95	34.88	21.40	1.61	1500.0	1.07	1.07	1.06	1.07	1.10
1600.0	8.26	8.21	8.26	8.24	0.05	22.68	35.56	22.05	1.77	1600.0	1.07	1.09	1.09	1.09	1.11
1700.0	8.31	8.27	8.29	8.27	0.05	23.53	36.21	22.78	2.01	1700.0	1.08	1.11	1.12	1.12	1.12
1800.0	8.35	8.28	8.29	8.26	0.10	24.10	36.36	23.31	2.15	1800.0	1.09	1.13	1.16	1.14	1.12
1900.0	8.35	8.27	8.26	8.22	0.13	24.73	36.02	23.92	2.29	1900.0	1.11	1.15	1.20	1.19	1.15
2000.0	8.37	8.28	8.25	8.20	0.17	24.88	35.65	24.24	2.38	2000.0	1.12	1.18	1.22	1.24	1.18
2100.0	8.44	8.32	8.29	8.23	0.21	24.84	35.32	24.42	2.43	2100.0	1.14	1.21	1.23	1.28	1.20
2200.0	8.55	8.41	8.36	8.29	0.25	24.09	34.84	23.90	2.48	2200.0	1.15	1.24	1.24	1.32	1.23
2300.0	8.65	8.48	8.44	8.37	0.28	23.35	34.87	23.34	2.52	2300.0	1.15	1.27	1.25	1.36	1.26
2400.0	8.74	8.56	8.54	8.45	0.29	22.33	34.08	22.48	2.55	2400.0	1.14	1.30	1.26	1.39	1.29
2500.0	8.89	8.69	8.66	8.58	0.31	21.71	33.41	21.92	2.56	2500.0	1.12	1.32	1.27	1.42	1.31
2600.0	9.08	8.85	8.80	8.72	0.35	20.86	32.18	21.12	2.64	2600.0	1.11	1.35	1.28	1.43	1.32
2700.0	9.20	8.96	8.89	8.82	0.38	20.34	30.93	20.58	2.81	2700.0	1.09	1.37	1.29	1.42	1.31
2800.0	9.30	9.02	8.96	8.90	0.40	19.67	29.68	19.88	2.96	2800.0	1.11	1.37	1.31	1.40	1.29
2900.0	9.40	9.11	9.02	8.97	0.44	18.96	28.71	19.06	3.24	2900.0	1.16	1.35	1.32	1.37	1.28
3000.0	9.57	9.25	9.13	9.09	0.48	18.40	28.07	18.26	3.48	3000.0	1.24	1.33	1.29	1.33	1.26

¹Total Loss = Insertion Loss + 6dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS



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