

3 Way-0° Power Splitter/Combiner

SYPS-3-152-75+

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		1-2	1-3	2-3			S	1	2	3
2	6.42	6.42	6.42	0.01	22.32	21.95	22.03	0.01	2	2.33	1.79	1.79	1.77
3	6.06	6.05	6.05	0.00	25.66	25.25	25.35	0.01	3	1.83	1.55	1.56	1.54
4	5.92	5.92	5.92	0.00	27.95	27.48	27.64	0.02	4	1.62	1.45	1.45	1.44
5	5.86	5.86	5.86	0.00	29.44	28.96	29.16	0.02	5	1.51	1.40	1.40	1.39
7	5.77	5.77	5.76	0.01	30.87	30.42	30.63	0.04	7	1.40	1.34	1.34	1.34
9	5.69	5.69	5.69	0.00	31.39	31.05	31.24	0.04	9	1.34	1.31	1.32	1.31
10	5.66	5.66	5.66	0.01	31.55	31.25	31.39	0.07	10	1.32	1.30	1.31	1.30
20	5.47	5.47	5.47	0.01	31.62	31.69	31.76	0.08	20	1.21	1.26	1.26	1.26
30	5.40	5.40	5.39	0.01	31.27	31.44	31.51	0.10	30	1.16	1.24	1.24	1.24
40	5.35	5.35	5.34	0.01	30.89	31.15	31.16	0.11	40	1.14	1.23	1.23	1.23
50	5.32	5.32	5.31	0.01	30.57	30.87	30.91	0.14	50	1.12	1.22	1.22	1.22
70	5.28	5.28	5.27	0.01	30.08	30.46	30.48	0.17	70	1.09	1.21	1.21	1.21
100	5.25	5.26	5.24	0.01	29.53	30.02	30.06	0.23	100	1.07	1.20	1.20	1.20
150	5.24	5.25	5.23	0.01	28.95	29.67	29.73	0.31	150	1.05	1.19	1.19	1.18
200	5.26	5.26	5.25	0.01	28.48	29.46	29.54	0.40	200	1.04	1.19	1.19	1.17
250	5.28	5.28	5.27	0.01	27.94	29.25	29.35	0.49	250	1.04	1.18	1.19	1.17
300	5.31	5.30	5.30	0.01	27.35	29.00	29.16	0.58	300	1.05	1.19	1.18	1.18
350	5.35	5.33	5.33	0.02	26.69	28.64	28.83	0.65	350	1.05	1.18	1.18	1.19
400	5.39	5.36	5.37	0.03	26.04	28.27	28.50	0.74	400	1.06	1.19	1.18	1.20
450	5.42	5.38	5.41	0.04	25.41	27.89	28.16	0.82	450	1.08	1.18	1.19	1.21
500	5.46	5.41	5.44	0.05	24.82	27.52	27.84	0.90	500	1.08	1.19	1.19	1.21
550	5.50	5.44	5.48	0.06	24.32	27.23	27.59	0.96	550	1.09	1.20	1.19	1.21
600	5.54	5.46	5.52	0.08	23.82	26.91	27.32	1.00	600	1.10	1.19	1.20	1.20
650	5.58	5.49	5.56	0.09	23.40	26.69	27.14	1.02	650	1.11	1.21	1.21	1.20
700	5.63	5.52	5.60	0.11	23.01	26.51	27.03	1.01	700	1.12	1.20	1.23	1.20
750	5.68	5.55	5.65	0.12	22.62	26.30	26.86	1.02	750	1.12	1.23	1.24	1.20
800	5.73	5.59	5.70	0.14	22.25	26.11	26.73	1.01	800	1.14	1.23	1.26	1.22
870	5.81	5.64	5.77	0.17	21.78	25.86	26.53	0.99	870	1.15	1.27	1.28	1.25
900	5.84	5.66	5.80	0.19	21.57	25.75	26.42	0.96	900	1.16	1.26	1.29	1.26
1000	5.98	5.74	5.92	0.24	20.94	25.36	26.00	0.90	1000	1.20	1.31	1.32	1.29
1100	6.14	5.83	6.05	0.31	20.25	24.75	25.20	0.78	1100	1.24	1.37	1.35	1.31
1200	6.32	5.94	6.20	0.38	19.47	23.84	23.86	0.59	1200	1.28	1.40	1.39	1.33
1300	6.56	6.10	6.39	0.46	18.48	22.38	21.86	0.75	1300	1.34	1.47	1.42	1.37
1400	6.88	6.33	6.65	0.55	17.16	20.33	19.36	1.30	1400	1.41	1.52	1.42	1.39
1500	7.37	6.70	7.05	0.67	15.46	17.89	16.67	2.48	1500	1.52	1.55	1.41	1.38
1550	7.73	6.99	7.36	0.74	14.48	16.64	15.34	3.35	1550	1.64	1.49	1.38	1.34
1600	8.17	7.36	7.74	0.81	13.50	15.40	14.09	4.29	1600	1.73	1.47	1.36	1.30

¹Total Loss = Insertion Loss + 4.8dB Splitter Loss

