

3 Way-0° Power Splitter/Combiner

SYPS-3-72-75+

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)			AMP. UNBAL. (dB)	ISOLATION (dB)			PHASE UNBAL. (deg.)	FREQ. (MHz)	RETURN LOSS (dB)			
	S-1	S-2	S-3		1-2	1-3	2-3			S	1	2	3
1	5.88	5.88	5.89	0.01	41.58	52.99	46.15	0.04	1	15.83	14.71	14.47	14.96
3	5.46	5.46	5.47	0.01	45.83	46.48	45.87	0.03	3	20.54	19.21	18.93	19.38
5	5.33	5.35	5.35	0.01	42.35	43.65	42.87	0.01	5	23.18	20.95	20.67	21.09
7	5.29	5.30	5.30	0.01	40.99	42.42	41.60	0.04	7	24.82	21.74	21.45	21.89
10	5.26	5.28	5.28	0.01	40.01	41.61	40.77	0.03	10	26.30	22.34	22.07	22.46
30	5.26	5.27	5.28	0.01	37.52	39.03	38.49	0.04	30	29.16	22.93	22.97	23.18
50	5.27	5.29	5.30	0.02	35.70	37.30	37.03	0.10	50	29.98	23.14	23.34	23.46
70	5.29	5.31	5.31	0.02	34.19	35.84	35.69	0.13	70	30.35	23.27	23.36	23.66
90	5.30	5.32	5.32	0.02	32.96	34.64	34.68	0.15	90	30.45	23.31	23.23	23.82
100	5.31	5.33	5.33	0.02	32.39	34.15	34.23	0.16	100	30.47	23.37	23.24	23.93
108	5.32	5.34	5.34	0.02	32.01	33.77	33.87	0.16	108	30.57	23.43	23.31	24.03
125	5.34	5.36	5.35	0.02	31.14	32.93	33.10	0.49	125	30.90	23.63	23.72	24.25
150	5.33	5.35	5.34	0.02	29.87	31.69	31.94	0.15	150	31.36	23.94	24.33	24.54
174	5.36	5.36	5.37	0.01	28.81	30.62	30.97	0.30	174	31.73	24.11	24.49	24.60
200	5.38	5.38	5.39	0.01	27.82	29.69	30.07	0.34	200	32.00	24.07	24.32	24.50
225	5.40	5.40	5.40	0.01	27.02	28.93	29.42	0.36	225	32.54	24.07	24.74	24.65
245	5.41	5.40	5.41	0.01	26.44	28.40	28.87	0.42	245	33.09	24.13	25.39	25.01
300	5.45	5.43	5.45	0.02	24.99	26.99	27.57	0.56	300	32.79	23.70	25.08	25.05
350	5.47	5.45	5.48	0.02	23.96	26.02	26.71	0.57	350	33.29	23.23	25.44	24.22
400	5.53	5.49	5.53	0.03	23.05	25.16	25.94	0.77	400	32.78	22.61	24.86	24.03
450	5.57	5.53	5.56	0.05	22.17	24.34	25.19	0.92	450	32.05	21.79	24.36	22.77
470	5.59	5.54	5.58	0.05	21.89	24.11	24.97	0.97	470	32.40	21.56	24.56	22.57
500	5.62	5.56	5.61	0.06	21.51	23.76	24.69	1.09	500	32.89	20.98	23.84	22.45
550	5.68	5.60	5.65	0.08	20.83	23.09	24.11	1.25	550	32.19	19.84	22.58	21.12
600	5.74	5.64	5.71	0.10	20.29	22.62	23.73	1.47	600	30.97	19.05	22.08	20.17
650	5.81	5.68	5.76	0.13	19.82	22.23	23.42	1.74	650	29.45	18.00	20.39	19.48
684	5.86	5.71	5.80	0.15	19.49	21.92	23.18	1.95	684	27.83	17.57	20.43	18.70
710	5.89	5.73	5.83	0.16	19.27	21.72	23.05	2.10	710	27.04	17.11	19.78	18.26
740	5.94	5.76	5.87	0.18	19.04	21.50	22.90	2.33	740	26.26	16.48	18.70	17.90
770	6.00	5.79	5.92	0.21	18.78	21.25	22.70	2.55	770	25.34	16.08	18.47	17.51
800	6.05	5.82	5.96	0.23	18.58	21.06	22.57	2.82	800	24.61	15.68	18.31	16.98
850	6.15	5.87	6.04	0.28	18.24	20.75	22.32	3.30	850	23.69	14.70	16.80	16.11
860	6.18	5.88	6.05	0.29	18.19	20.70	22.29	3.39	860	23.47	14.55	16.67	16.01
900	6.27	5.94	6.13	0.33	17.98	20.48	22.13	3.89	900	22.70	14.05	16.53	15.83
950	6.39	6.00	6.22	0.40	17.68	20.16	21.76	4.62	950	22.23	13.09	15.25	15.07
1000	6.53	6.07	6.33	0.46	17.48	19.89	21.38	5.45	1000	21.76	12.44	15.06	14.61

¹Total Loss = Insertion Loss + 4.8dB Splitter Loss

