

# 3 Way-0° Power Splitter/Combiner

# SYPS-3-182-75+

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS <sup>1</sup> (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
1	3.51	3.50	3.60	0.10	16.71	16.61	16.63	0.22	1	6.55	2.56	2.57	2.45
3	0.71	0.71	0.79	0.09	23.67	23.61	23.56	0.06	3	1.93	1.54	1.54	1.50
5	0.61	0.62	0.70	0.09	27.93	27.84	27.77	0.06	5	1.48	1.36	1.36	1.33
7	0.59	0.60	0.68	0.09	29.68	29.57	29.56	0.10	7	1.34	1.30	1.30	1.27
10	0.56	0.56	0.64	0.08	30.49	30.56	30.46	0.05	10	1.26	1.26	1.27	1.24
20	0.47	0.46	0.55	0.09	30.71	30.97	30.77	0.06	20	1.16	1.23	1.23	1.20
50	0.40	0.40	0.49	0.09	29.69	30.15	29.82	0.07	50	1.09	1.20	1.20	1.18
100	0.39	0.38	0.48	0.10	28.44	29.20	28.78	0.13	100	1.07	1.19	1.19	1.17
200	0.43	0.42	0.52	0.10	26.13	27.46	26.86	0.21	200	1.07	1.18	1.18	1.15
300	0.50	0.49	0.60	0.10	24.09	25.77	25.07	0.27	300	1.09	1.16	1.16	1.14
400	0.57	0.56	0.67	0.12	22.49	24.40	23.62	0.41	400	1.10	1.14	1.14	1.12
500	0.66	0.65	0.78	0.13	21.10	23.13	22.33	0.56	500	1.13	1.12	1.09	1.10
600	0.76	0.74	0.88	0.14	20.06	22.17	21.40	0.71	600	1.15	1.11	1.06	1.07
700	0.86	0.84	0.99	0.15	19.22	21.40	20.64	0.92	700	1.19	1.11	1.05	1.05
800	0.97	0.94	1.11	0.17	18.66	20.94	20.19	1.17	800	1.24	1.14	1.07	1.06
870	1.05	1.03	1.20	0.17	18.38	20.69	19.97	1.31	870	1.27	1.17	1.11	1.09
900	1.09	1.06	1.24	0.18	18.29	20.62	19.92	1.40	900	1.29	1.18	1.11	1.10
1000	1.23	1.19	1.38	0.19	18.09	20.55	19.89	1.65	1000	1.34	1.24	1.17	1.15
1100	1.37	1.31	1.51	0.19	18.11	20.70	20.11	2.01	1100	1.39	1.31	1.22	1.20
1200	1.52	1.44	1.65	0.20	18.28	21.08	20.56	2.44	1200	1.42	1.37	1.27	1.26
1220	1.56	1.47	1.68	0.21	18.34	21.21	20.70	2.50	1220	1.43	1.39	1.27	1.27
1300	1.67	1.56	1.77	0.21	18.69	21.85	21.43	2.92	1300	1.43	1.45	1.33	1.32
1400	1.83	1.68	1.89	0.21	19.31	23.04	22.75	3.47	1400	1.42	1.51	1.38	1.37
1500	1.99	1.79	2.00	0.22	19.99	24.56	24.42	4.04	1500	1.36	1.57	1.39	1.39
1600	2.18	1.92	2.13	0.25	20.30	25.35	25.17	4.76	1600	1.24	1.60	1.42	1.39
1700	2.46	2.15	2.34	0.31	19.34	23.28	22.63	5.56	1700	1.07	1.59	1.41	1.35
1800	2.97	2.58	2.76	0.39	17.12	19.61	18.84	6.52	1800	1.16	1.55	1.33	1.26
1900	3.89	3.42	3.58	0.46	14.66	16.35	15.62	8.27	1900	1.53	1.48	1.24	1.17
2000	5.36	4.78	4.93	0.57	12.65	13.97	13.38	10.62	2000	2.06	1.43	1.17	1.16

<sup>1</sup>Insertion loss is loss above theoretical loss (4.8dB)

