

3 Way-0° Power Splitter/Combiner

SYPS-3-142W+

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
5.0	5.15	5.15	5.14	0.01	31.98	31.52	32.33	0.04	5.0	1.29	1.17	1.18	1.17
7.0	5.20	5.20	5.20	0.01	33.86	33.48	34.41	0.04	7.0	1.21	1.13	1.13	1.13
9.0	5.23	5.22	5.22	0.01	34.42	34.20	35.15	0.03	9.0	1.17	1.11	1.11	1.11
10.0	5.23	5.23	5.22	0.01	34.60	34.45	35.32	0.03	10.0	1.16	1.10	1.10	1.10
15.0	5.23	5.23	5.22	0.01	35.11	35.24	35.97	0.04	15.0	1.13	1.08	1.08	1.08
20.0	5.22	5.22	5.21	0.01	35.15	35.49	36.10	0.03	20.0	1.12	1.08	1.08	1.08
40.0	5.20	5.19	5.19	0.01	34.20	35.08	35.25	0.03	40.0	1.11	1.07	1.07	1.07
60.0	5.19	5.18	5.18	0.01	32.72	33.92	33.79	0.04	60.0	1.12	1.07	1.07	1.07
80.0	5.19	5.19	5.18	0.01	31.20	32.58	32.36	0.04	80.0	1.13	1.07	1.07	1.08
100.0	5.20	5.20	5.19	0.01	29.79	31.28	31.02	0.04	100.0	1.15	1.08	1.08	1.08
200.0	5.30	5.29	5.29	0.00	25.02	26.73	26.32	0.14	200.0	1.24	1.10	1.10	1.12
300.0	5.43	5.43	5.43	0.01	22.11	23.90	23.45	0.27	300.0	1.35	1.14	1.13	1.16
400.0	5.60	5.58	5.59	0.02	20.24	22.09	21.64	0.29	400.0	1.45	1.16	1.16	1.19
500.0	5.78	5.74	5.76	0.03	19.00	20.92	20.48	0.35	500.0	1.53	1.19	1.18	1.21
600.0	5.94	5.90	5.91	0.05	18.19	20.20	19.79	0.48	600.0	1.60	1.20	1.20	1.23
700.0	6.09	6.03	6.04	0.06	17.73	19.87	19.49	0.70	700.0	1.65	1.21	1.20	1.24
800.0	6.20	6.12	6.14	0.08	17.55	19.89	19.53	0.98	800.0	1.68	1.21	1.21	1.24
900.0	6.30	6.18	6.21	0.12	17.65	20.29	19.93	1.26	900.0	1.68	1.20	1.20	1.23
1000.0	6.37	6.25	6.26	0.13	17.98	21.09	20.73	1.61	1000.0	1.66	1.19	1.19	1.20
1100.0	6.45	6.30	6.31	0.14	18.47	22.36	21.87	2.14	1100.0	1.62	1.17	1.17	1.17
1200.0	6.57	6.39	6.40	0.18	18.78	23.67	22.63	2.76	1200.0	1.58	1.15	1.14	1.15
1300.0	6.83	6.62	6.62	0.21	18.28	23.25	21.44	3.57	1300.0	1.58	1.12	1.10	1.15
1400.0	7.34	7.09	7.08	0.26	16.62	20.33	18.49	4.89	1400.0	1.66	1.10	1.09	1.20
1450.0	7.71	7.52	7.46	0.26	15.69	18.76	17.06	5.31	1450.0	1.72	1.09	1.09	1.25

¹Total Loss = Insertion Loss + 4.8dB Splitter Loss

