

# 2 Way-180° Power Splitter/Combiner

# SYPJ-2-13+

## Typical Performance Data

FREQUENCY (MHz)	TOTAL LOSS <sup>1</sup>		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB)	PHASE UNBALANCE (deg.)	FREQUENCY (MHz)	VSWR (:1)		
	(dB)						S	1	2
	S-1	S-2							
10.0	3.98	4.14	0.15	24.59	180.00	10.0	1.08	1.34	1.37
15.0	3.97	4.12	0.15	24.09	179.93	15.0	1.07	1.32	1.35
20.0	3.96	4.11	0.15	23.95	179.86	20.0	1.06	1.31	1.34
25.0	3.96	4.11	0.15	23.87	179.81	25.0	1.06	1.30	1.34
30.0	3.96	4.11	0.15	23.81	179.77	30.0	1.06	1.30	1.33
35.0	3.96	4.11	0.15	23.78	179.72	35.0	1.06	1.30	1.33
40.0	3.96	4.11	0.15	23.76	179.68	40.0	1.07	1.30	1.33
45.0	3.96	4.11	0.15	23.74	179.64	45.0	1.07	1.30	1.33
50.0	3.97	4.12	0.15	23.73	179.59	50.0	1.07	1.29	1.33
55.0	3.97	4.12	0.15	23.72	179.55	55.0	1.07	1.29	1.33
60.0	3.97	4.12	0.15	23.71	179.50	60.0	1.07	1.29	1.33
65.0	3.97	4.12	0.15	23.71	179.46	65.0	1.08	1.29	1.33
70.0	3.97	4.12	0.15	23.69	179.43	70.0	1.08	1.29	1.33
75.0	3.97	4.12	0.15	23.69	179.38	75.0	1.08	1.29	1.33
80.0	3.97	4.12	0.15	23.69	179.34	80.0	1.08	1.29	1.33
85.0	3.97	4.12	0.15	23.68	179.30	85.0	1.09	1.29	1.33
90.0	3.97	4.13	0.15	23.67	179.27	90.0	1.09	1.29	1.33
95.0	3.97	4.13	0.15	23.67	179.23	95.0	1.09	1.29	1.33
100.0	3.98	4.13	0.15	23.65	179.19	100.0	1.09	1.29	1.33
150.0	3.98	4.14	0.16	23.56	178.78	150.0	1.12	1.28	1.34
200.0	3.99	4.15	0.16	23.27	178.46	200.0	1.15	1.27	1.36
250.0	4.01	4.16	0.15	23.03	178.13	250.0	1.18	1.27	1.38
300.0	4.02	4.17	0.15	22.74	177.82	300.0	1.21	1.26	1.41
350.0	4.04	4.18	0.14	22.50	177.54	350.0	1.24	1.26	1.44
400.0	4.07	4.20	0.13	22.30	177.27	400.0	1.26	1.25	1.47
450.0	4.10	4.21	0.11	22.08	177.03	450.0	1.29	1.25	1.49
500.0	4.14	4.22	0.09	21.90	176.79	500.0	1.32	1.25	1.52
550.0	4.18	4.24	0.06	21.75	176.55	550.0	1.34	1.26	1.55
600.0	4.22	4.25	0.03	21.63	176.33	600.0	1.37	1.26	1.58
650.0	4.28	4.27	0.01	21.54	176.09	650.0	1.40	1.28	1.61
700.0	4.34	4.29	0.05	21.48	175.82	700.0	1.43	1.30	1.63
750.0	4.41	4.32	0.09	21.48	175.56	750.0	1.45	1.32	1.66
800.0	4.48	4.35	0.13	21.52	175.23	800.0	1.48	1.36	1.68
850.0	4.55	4.38	0.17	21.63	174.89	850.0	1.51	1.39	1.71
900.0	4.63	4.44	0.19	21.80	174.48	900.0	1.54	1.44	1.74
950.0	4.70	4.50	0.20	22.02	174.08	950.0	1.58	1.49	1.77
1000.0	4.77	4.58	0.20	22.33	173.64	1000.0	1.61	1.54	1.81

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss

