

2 Way-180° Power Splitter/Combiner

SYPJ-2-5W-52+

Typical Performance Data

FREQUENCY (MHz)	TOTAL LOSS ¹ (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB) 1-2	PHASE UNBALANCE (deg.)	FREQUENCY (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
3.0	4.42	4.35	0.08	12.75	179.51	3.0	2.82	1.59	1.64
4.0	3.95	3.87	0.08	14.90	179.68	4.0	2.21	1.45	1.48
5.0	3.71	3.63	0.08	16.78	179.77	5.0	1.90	1.37	1.39
6.0	3.57	3.50	0.07	18.46	179.84	6.0	1.72	1.31	1.33
7.0	3.49	3.42	0.08	19.99	179.90	7.0	1.59	1.28	1.29
8.0	3.44	3.36	0.08	21.43	179.96	8.0	1.51	1.25	1.26
9.0	3.40	3.33	0.08	22.80	179.99	9.0	1.44	1.23	1.24
10.0	3.38	3.31	0.08	24.18	179.96	10.0	1.39	1.22	1.22
30.0	3.36	3.32	0.04	26.02	179.48	30.0	1.13	1.23	1.20
50.0	3.45	3.42	0.02	22.24	179.43	50.0	1.10	1.26	1.20
70.0	3.46	3.45	0.02	21.61	179.28	70.0	1.11	1.28	1.21
90.0	3.47	3.46	0.01	21.27	179.15	90.0	1.12	1.31	1.22
100.0	3.48	3.47	0.01	21.23	179.08	100.0	1.12	1.32	1.22
120.0	3.49	3.48	0.01	21.26	178.97	120.0	1.14	1.34	1.22
140.0	3.50	3.50	0.01	21.42	178.85	140.0	1.14	1.36	1.22
160.0	3.52	3.51	0.01	21.67	178.76	160.0	1.15	1.38	1.22
180.0	3.54	3.53	0.01	21.95	178.67	180.0	1.17	1.40	1.22
200.0	3.56	3.55	0.01	22.43	178.60	200.0	1.18	1.42	1.22
220.0	3.58	3.57	0.02	23.06	178.54	220.0	1.19	1.44	1.23
240.0	3.61	3.59	0.02	23.78	178.49	240.0	1.21	1.46	1.24
250.0	3.62	3.60	0.02	24.19	178.48	250.0	1.22	1.47	1.25
260.0	3.63	3.61	0.03	24.66	178.46	260.0	1.23	1.48	1.25
280.0	3.66	3.63	0.03	25.71	178.45	280.0	1.24	1.50	1.27
300.0	3.69	3.66	0.04	27.05	178.46	300.0	1.26	1.52	1.30
320.0	3.72	3.69	0.04	28.72	178.51	320.0	1.28	1.54	1.33
340.0	3.76	3.72	0.04	30.84	178.58	340.0	1.30	1.57	1.37
360.0	3.79	3.75	0.04	33.32	178.69	360.0	1.32	1.59	1.41
380.0	3.83	3.79	0.04	35.39	178.86	380.0	1.35	1.62	1.46
400.0	3.87	3.82	0.04	35.05	179.07	400.0	1.38	1.65	1.51
420.0	3.91	3.86	0.04	32.57	179.33	420.0	1.41	1.68	1.57
440.0	3.95	3.91	0.04	29.94	179.66	440.0	1.44	1.71	1.63
460.0	4.00	3.95	0.05	27.65	179.93	460.0	1.47	1.75	1.69
480.0	4.04	3.99	0.05	25.76	179.45	480.0	1.51	1.79	1.76
500.0	4.10	4.04	0.06	24.18	178.88	500.0	1.55	1.84	1.84
525.0	4.17	4.09	0.08	22.57	178.05	525.0	1.60	1.91	1.93
550.0	4.26	4.15	0.11	21.21	177.10	550.0	1.66	1.98	2.03
575.0	4.35	4.20	0.15	20.05	175.97	575.0	1.72	2.07	2.13
600.0	4.45	4.24	0.21	19.07	174.69	600.0	1.79	2.17	2.24
650.0	4.71	4.32	0.39	17.54	171.69	650.0	1.95	2.42	2.45

¹Total Loss = Insertion Loss + 3dB Splitter Loss

