

2 Way-0° Power Splitter/Combiner

TCP-ED12111/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	ISOLATION (dB) 1-2	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
0.3	4.30	3.44	0.85	20.36	5.63	0.3	1.40	2.03	1.57
0.5	3.99	3.38	0.61	22.99	4.31	0.5	1.27	1.68	1.39
0.7	3.84	3.35	0.50	24.84	3.51	0.7	1.21	1.53	1.30
0.9	3.75	3.32	0.43	26.28	3.02	0.9	1.17	1.44	1.26
1.0	3.71	3.31	0.41	26.88	2.84	1.0	1.16	1.41	1.24
2.0	3.54	3.24	0.29	31.14	1.83	2.0	1.09	1.26	1.15
3.0	3.47	3.22	0.25	33.72	1.40	3.0	1.07	1.20	1.11
4.0	3.43	3.21	0.23	35.56	1.13	4.0	1.05	1.17	1.10
5.0	3.41	3.20	0.21	36.83	0.96	5.0	1.05	1.15	1.08
6.0	3.40	3.20	0.20	37.86	0.85	6.0	1.04	1.13	1.08
7.0	3.39	3.19	0.19	38.66	0.75	7.0	1.03	1.12	1.07
8.0	3.38	3.19	0.19	39.38	0.68	8.0	1.03	1.12	1.06
9.0	3.37	3.19	0.18	39.79	0.63	9.0	1.03	1.11	1.06
10.0	3.37	3.19	0.18	40.14	0.58	10.0	1.03	1.11	1.06
20.0	3.35	3.19	0.16	41.19	0.30	20.0	1.01	1.09	1.05
30.0	3.36	3.20	0.16	40.13	0.18	30.0	1.01	1.08	1.04
40.0	3.36	3.21	0.15	38.79	0.10	40.0	1.01	1.08	1.04
50.0	3.36	3.21	0.15	37.32	0.05	50.0	1.01	1.08	1.04
60.0	3.37	3.21	0.15	36.05	0.03	60.0	1.01	1.07	1.04
70.0	3.37	3.22	0.15	34.93	0.02	70.0	1.01	1.07	1.04
80.0	3.37	3.22	0.15	33.85	0.02	80.0	1.01	1.07	1.04
90.0	3.38	3.23	0.15	32.99	0.05	90.0	1.02	1.07	1.04
100.0	3.38	3.23	0.15	32.21	0.08	100.0	1.02	1.07	1.04
200.0	3.40	3.26	0.14	26.99	0.26	200.0	1.05	1.07	1.08
300.0	3.41	3.28	0.13	24.20	0.30	300.0	1.09	1.10	1.12
400.0	3.40	3.29	0.11	22.76	0.22	400.0	1.14	1.16	1.21
500.0	3.42	3.37	0.05	22.48	0.14	500.0	1.22	1.24	1.30
600.0	3.52	3.54	0.02	23.35	0.17	600.0	1.34	1.35	1.38
700.0	3.73	3.81	0.08	25.05	0.02	700.0	1.40	1.47	1.49
800.0	4.03	4.18	0.16	25.30	0.41	800.0	1.45	1.58	1.62
900.0	4.35	4.53	0.19	22.71	0.59	900.0	1.56	1.68	1.73
1000.0	4.57	4.74	0.17	19.22	0.90	1000.0	1.73	1.79	1.86
1100.0	4.69	4.85	0.16	16.10	1.59	1100.0	1.83	1.87	2.00
1200.0	4.77	4.94	0.17	13.59	3.66	1200.0	1.92	1.90	2.08
1300.0	5.09	5.21	0.12	11.64	6.46	1300.0	2.05	1.86	2.06
1400.0	5.69	5.77	0.08	10.19	9.37	1400.0	2.12	1.78	2.12
1500.0	6.37	6.46	0.08	9.02	11.84	1500.0	2.31	1.70	2.14
1600.0	7.06	6.97	0.09	7.94	14.69	1600.0	2.66	1.61	2.17
1700.0	7.68	7.13	0.54	7.13	18.74	1700.0	2.81	1.54	2.21
1800.0	8.19	6.92	1.27	6.49	22.63	1800.0	2.77	1.55	2.29

¹Total Loss = Insertion Loss + 3dB Splitter Loss