

# 2 Way-0° Power Splitter/Combiner

# TO5SC-2-1

## Typical Performance Data

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (dB)		AMP. UNBAL. (dB)	ISOLATION (dB) 1-2	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
1.0	3.14	3.25	0.11	31.07	0.71	1.0	1.04	1.11	1.15
2.0	3.13	3.20	0.08	34.63	0.47	2.0	1.03	1.08	1.10
3.0	3.12	3.19	0.07	36.60	0.31	3.0	1.02	1.07	1.09
4.0	3.13	3.19	0.06	37.74	0.27	4.0	1.02	1.06	1.08
5.0	3.12	3.19	0.07	38.36	0.14	5.0	1.02	1.06	1.07
6.0	3.13	3.19	0.07	38.57	0.15	6.0	1.02	1.05	1.07
7.0	3.14	3.20	0.06	38.73	0.09	7.0	1.01	1.05	1.07
8.0	3.12	3.19	0.07	38.70	0.11	8.0	1.01	1.05	1.07
9.0	3.13	3.20	0.07	38.61	0.03	9.0	1.01	1.05	1.07
10.0	3.13	3.21	0.08	38.52	0.02	10.0	1.01	1.05	1.07
15.0	3.14	3.20	0.06	37.73	0.01	15.0	1.02	1.05	1.07
20.0	3.15	3.22	0.07	37.02	0.02	20.0	1.02	1.05	1.07
25.0	3.16	3.24	0.08	36.31	0.07	25.0	1.02	1.05	1.07
30.0	3.16	3.24	0.08	35.66	0.03	30.0	1.02	1.05	1.07
35.0	3.17	3.24	0.08	35.12	0.03	35.0	1.02	1.05	1.07
40.0	3.17	3.26	0.09	34.68	0.08	40.0	1.02	1.05	1.07
45.0	3.17	3.26	0.08	34.25	0.08	45.0	1.03	1.05	1.07
50.0	3.18	3.27	0.09	33.81	0.09	50.0	1.03	1.05	1.07
55.0	3.18	3.27	0.09	33.51	0.04	55.0	1.03	1.05	1.06
60.0	3.20	3.29	0.08	33.17	0.01	60.0	1.03	1.05	1.06
65.0	3.21	3.29	0.08	32.85	0.06	65.0	1.03	1.05	1.06
70.0	3.20	3.29	0.09	32.52	0.09	70.0	1.03	1.05	1.06
75.0	3.21	3.30	0.09	32.19	0.11	75.0	1.03	1.05	1.06
80.0	3.22	3.30	0.08	31.92	0.06	80.0	1.04	1.04	1.06
85.0	3.21	3.30	0.09	31.64	0.14	85.0	1.04	1.04	1.06
90.0	3.22	3.31	0.08	31.40	0.10	90.0	1.04	1.04	1.06
95.0	3.23	3.30	0.08	31.12	0.06	95.0	1.04	1.04	1.06
100.0	3.23	3.31	0.08	30.89	0.09	100.0	1.04	1.04	1.06
125.0	3.24	3.32	0.08	29.78	0.11	125.0	1.05	1.04	1.06
150.0	3.26	3.35	0.08	28.90	0.06	150.0	1.05	1.04	1.05
175.0	3.27	3.35	0.09	28.07	0.05	175.0	1.05	1.03	1.05
200.0	3.30	3.39	0.08	27.45	0.13	200.0	1.06	1.03	1.05
225.0	3.29	3.36	0.07	26.86	0.13	225.0	1.06	1.03	1.05
250.0	3.33	3.42	0.09	26.47	0.09	250.0	1.06	1.03	1.05
275.0	3.32	3.42	0.10	26.08	0.06	275.0	1.06	1.03	1.05
300.0	3.37	3.45	0.08	25.82	0.05	300.0	1.05	1.03	1.06
325.0	3.34	3.43	0.09	25.68	0.20	325.0	1.05	1.04	1.07
350.0	3.42	3.51	0.09	25.70	0.19	350.0	1.04	1.05	1.08
400.0	3.43	3.51	0.08	25.91	0.12	400.0	1.03	1.07	1.11
450.0	3.54	3.63	0.09	26.87	0.03	450.0	1.05	1.10	1.15
500.0	3.64	3.71	0.07	28.41	0.16	500.0	1.10	1.13	1.19

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

