

3 Way-0° Power Splitter/Combiner

ZSC-3-2-75

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
0.02	4.93	4.94	4.94	0.01	55.35	45.58	47.47	0.41	0.02	1.24	1.22	1.24	1.24
0.04	4.86	4.87	4.87	0.01	57.20	51.69	50.19	0.20	0.04	1.12	1.11	1.12	1.11
0.06	4.85	4.85	4.85	0.01	59.33	54.91	52.49	0.14	0.06	1.08	1.07	1.08	1.07
0.08	4.85	4.85	4.85	0.01	61.20	56.99	54.34	0.09	0.08	1.05	1.05	1.06	1.05
0.10	4.85	4.86	4.86	0.00	62.37	58.23	56.02	0.06	0.10	1.04	1.04	1.04	1.04
0.11	4.85	4.86	4.86	0.01	62.65	58.65	56.68	0.06	0.11	1.04	1.04	1.04	1.04
0.12	4.85	4.86	4.86	0.00	62.95	59.08	57.27	0.05	0.12	1.04	1.03	1.04	1.03
0.13	4.85	4.86	4.86	0.01	63.37	59.30	57.88	0.05	0.13	1.03	1.03	1.03	1.03
0.14	4.86	4.86	4.86	0.00	63.67	59.73	58.20	0.05	0.14	1.03	1.03	1.03	1.03
0.15	4.86	4.86	4.86	0.00	64.13	59.64	58.61	0.04	0.15	1.03	1.03	1.03	1.03
0.16	4.86	4.86	4.86	0.00	63.92	59.92	58.70	0.04	0.16	1.03	1.02	1.03	1.02
0.17	4.86	4.86	4.86	0.00	64.09	60.07	58.96	0.04	0.17	1.03	1.02	1.02	1.02
0.18	4.86	4.86	4.86	0.00	64.52	60.14	59.09	0.03	0.18	1.02	1.02	1.02	1.02
0.19	4.86	4.86	4.86	0.00	64.64	60.14	59.29	0.03	0.19	1.02	1.02	1.02	1.02
0.20	4.86	4.86	4.86	0.00	64.75	60.05	59.59	0.02	0.20	1.02	1.02	1.02	1.02
0.30	4.86	4.86	4.86	0.00	64.34	60.23	59.94	0.03	0.30	1.02	1.01	1.01	1.01
0.40	4.86	4.86	4.86	0.00	63.55	60.12	59.50	0.04	0.40	1.01	1.01	1.01	1.01
0.50	4.86	4.86	4.86	0.00	62.20	59.63	58.72	0.03	0.50	1.01	1.01	1.01	1.01
0.60	4.86	4.86	4.86	0.00	61.52	59.19	58.35	0.02	0.60	1.01	1.01	1.01	1.01
0.70	4.86	4.86	4.86	0.00	60.86	58.60	57.87	0.03	0.70	1.01	1.01	1.01	1.01
0.80	4.86	4.86	4.86	0.00	59.96	58.19	57.31	0.03	0.80	1.01	1.00	1.00	1.00
0.90	4.85	4.85	4.86	0.00	59.47	57.78	57.07	0.04	0.90	1.01	1.00	1.00	1.00
1.00	4.85	4.85	4.85	0.00	58.94	57.17	56.79	0.04	1.00	1.01	1.00	1.00	1.00
2.33	4.86	4.86	4.86	0.00	52.17	51.29	51.75	0.06	2.33	1.02	1.01	1.01	1.01
3.67	4.87	4.87	4.87	0.00	47.81	47.17	47.84	0.07	3.67	1.04	1.02	1.02	1.02
5.00	4.88	4.88	4.88	0.00	44.66	44.21	44.86	0.09	5.00	1.06	1.03	1.03	1.03
6.00	4.88	4.89	4.89	0.00	42.80	42.40	43.09	0.09	6.00	1.07	1.04	1.04	1.04
7.00	4.89	4.89	4.90	0.00	41.22	40.87	41.54	0.11	7.00	1.08	1.05	1.05	1.05
8.00	4.90	4.90	4.91	0.00	39.89	39.52	40.20	0.12	8.00	1.10	1.06	1.05	1.05
9.00	4.91	4.91	4.91	0.00	38.67	38.36	39.02	0.14	9.00	1.11	1.06	1.06	1.06
10.00	4.92	4.92	4.92	0.00	37.60	37.27	37.94	0.15	10.00	1.13	1.07	1.07	1.07
11.00	4.93	4.93	4.93	0.00	36.61	36.31	36.95	0.16	11.00	1.14	1.08	1.08	1.08
12.00	4.94	4.94	4.95	0.00	35.70	35.40	36.06	0.16	12.00	1.16	1.09	1.09	1.09
13.00	4.95	4.95	4.96	0.00	34.87	34.58	35.21	0.17	13.00	1.18	1.10	1.09	1.09
14.00	4.97	4.97	4.97	0.00	34.07	33.80	34.44	0.19	14.00	1.19	1.11	1.10	1.10
15.00	4.98	4.98	4.98	0.00	33.35	33.08	33.69	0.20	15.00	1.21	1.12	1.11	1.11
16.00	4.99	4.99	4.99	0.00	32.66	32.39	32.99	0.20	16.00	1.23	1.12	1.12	1.12
17.00	5.01	5.01	5.01	0.00	31.99	31.74	32.34	0.21	17.00	1.25	1.13	1.13	1.13
18.00	5.02	5.02	5.02	0.00	31.36	31.12	31.70	0.21	18.00	1.26	1.14	1.14	1.14
19.00	5.04	5.03	5.04	0.00	30.76	30.51	31.09	0.22	19.00	1.28	1.15	1.15	1.15
20.00	5.05	5.05	5.06	0.00	30.18	29.95	30.51	0.25	20.00	1.31	1.16	1.16	1.16

¹ Total Loss = Insertion Loss+ 4.8dB Splitter Loss