

2 Way-0° Power Splitter/Combiner

ZC2PD-E40653+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0 dBm @ Temperature = +25°C

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
39000	3.94	3.90	0.04	22.48	2.04	39000	1.11	1.15	1.05
40000	3.99	3.96	0.03	22.32	1.87	40000	1.20	1.23	1.13
40500	4.02	4.01	0.02	22.74	1.79	40500	1.27	1.28	1.18
41000	4.06	4.06	0.00	23.61	1.80	41000	1.33	1.30	1.24
41500	4.06	4.08	0.02	25.29	1.87	41500	1.35	1.30	1.27
42000	4.07	4.10	0.04	27.64	1.99	42000	1.33	1.27	1.29
42500	4.03	4.08	0.04	31.75	2.13	42500	1.27	1.21	1.27
43000	4.01	4.05	0.04	35.65	2.26	43000	1.18	1.15	1.22
43500	4.00	4.03	0.04	33.72	2.41	43500	1.08	1.09	1.15
44000	4.01	4.03	0.02	29.67	2.51	44000	1.06	1.06	1.08
44500	4.04	4.05	0.01	27.14	2.55	44500	1.13	1.08	1.02
45000	4.08	4.08	0.01	25.08	2.52	45000	1.19	1.09	1.04
45500	4.10	4.09	0.01	23.84	2.52	45500	1.21	1.10	1.08
46000	4.10	4.09	0.01	23.15	2.47	46000	1.20	1.10	1.09
46500	4.09	4.09	0.00	23.07	2.42	46500	1.15	1.10	1.10
47000	4.08	4.09	0.01	23.16	2.41	47000	1.09	1.13	1.11
47500	4.11	4.14	0.03	23.57	2.43	47500	1.10	1.17	1.16
48000	4.12	4.16	0.05	24.42	2.59	48000	1.19	1.22	1.23
48500	4.17	4.22	0.05	25.78	2.74	48500	1.24	1.24	1.28
49000	4.19	4.23	0.04	27.21	2.90	49000	1.26	1.25	1.30
49500	4.21	4.25	0.04	29.17	3.06	49500	1.27	1.25	1.30
50000	4.24	4.25	0.00	30.59	3.24	50000	1.20	1.22	1.25
50500	4.22	4.24	0.02	30.68	2.75	50500	1.19	1.19	1.21
51000	4.24	4.25	0.01	31.29	2.80	51000	1.15	1.17	1.14
51500	4.21	4.23	0.02	30.98	3.09	51500	1.14	1.13	1.10
52000	4.22	4.23	0.02	31.38	3.31	52000	1.12	1.09	1.05
52500	4.24	4.27	0.03	31.54	3.15	52500	1.09	1.07	1.03
53000	4.25	4.27	0.02	32.48	3.18	53000	1.05	1.07	1.03
53500	4.27	4.25	0.02	31.20	3.37	53500	1.08	1.10	1.04
54000	4.26	4.28	0.03	33.54	3.80	54000	1.08	1.10	1.04
54500	4.35	4.32	0.03	30.35	3.22	54500	1.09	1.15	1.05
55000	4.30	4.31	0.01	30.07	2.97	55000	1.06	1.13	1.03
55500	4.38	4.32	0.07	29.62	3.63	55500	1.06	1.09	1.05
56000	4.43	4.37	0.06	29.74	2.97	56000	1.07	1.14	1.02
56500	4.42	4.41	0.01	29.46	3.03	56500	1.13	1.12	1.01
57000	4.35	4.40	0.05	30.04	3.33	57000	1.19	1.19	1.04
57500	4.53	4.47	0.06	31.11	4.07	57500	1.18	1.11	1.06
58000	4.42	4.49	0.07	32.74	3.45	58000	1.19	1.13	1.10
58500	4.48	4.48	0.00	34.39	4.04	58500	1.16	1.10	1.10
59000	4.65	4.49	0.15	37.51	4.00	59000	1.11	1.09	1.11
60000	4.75	4.55	0.20	35.14	3.04	60000	1.05	1.04	1.07
61000	4.57	4.56	0.01	36.87	4.30	61000	1.12	1.11	1.08
62000	4.60	4.60	0.00	49.88	3.05	62000	1.12	1.07	1.14
63000	4.60	4.62	0.02	40.29	3.90	63000	1.04	1.02	1.09
64000	4.72	4.68	0.04	36.87	4.06	64000	1.08	1.06	1.05
65000	4.66	4.66	0.00	38.95	4.69	65000	1.06	1.04	1.08

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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2 Way-0° Power Splitter/Combiner

ZC2PD-E40653+

Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = -55°C

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
39000	3.89	3.84	0.05	22.24	4.06	39000	1.13	1.14	1.05
40000	3.95	3.91	0.04	22.66	4.34	40000	1.21	1.21	1.12
40500	3.98	3.95	0.03	23.26	4.48	40500	1.24	1.23	1.17
41000	4.01	4.00	0.01	24.18	4.52	41000	1.28	1.26	1.23
41500	4.01	4.02	0.01	25.71	4.54	41500	1.30	1.28	1.29
42000	4.02	4.05	0.03	27.73	4.51	42000	1.33	1.30	1.34
42500	3.99	4.03	0.04	31.13	4.41	42500	1.30	1.28	1.33
43000	3.96	4.00	0.04	34.88	4.39	43000	1.24	1.23	1.29
43500	3.94	3.98	0.03	34.73	4.31	43500	1.10	1.12	1.19
44000	3.96	3.97	0.01	30.71	4.29	44000	1.03	1.01	1.09
44500	4.00	3.99	0.01	27.64	4.37	44500	1.17	1.08	1.06
45000	4.05	4.03	0.02	24.93	4.49	45000	1.31	1.17	1.16
45500	4.06	4.05	0.02	23.31	4.55	45500	1.32	1.20	1.19
46000	4.05	4.04	0.02	22.38	4.68	46000	1.26	1.20	1.19
46500	4.04	4.03	0.00	22.22	4.87	46500	1.13	1.20	1.17
47000	4.03	4.03	0.01	22.53	4.98	47000	1.10	1.24	1.19
47500	4.06	4.09	0.03	23.22	4.98	47500	1.22	1.28	1.24
48000	4.08	4.13	0.05	24.65	4.85	48000	1.31	1.29	1.31
48500	4.13	4.16	0.04	26.77	4.76	48500	1.30	1.23	1.29
49000	4.14	4.16	0.02	28.86	4.70	49000	1.23	1.18	1.27
49500	4.15	4.16	0.01	31.02	4.64	49500	1.18	1.16	1.22
50000	4.17	4.16	0.01	30.96	4.59	50000	1.12	1.18	1.18
50500	4.23	4.17	0.06	30.39	5.20	50500	1.19	1.15	1.16
51000	4.17	4.13	0.04	29.84	5.47	51000	1.17	1.18	1.15
51500	4.16	4.18	0.02	30.22	4.95	51500	1.18	1.20	1.13
52000	4.15	4.21	0.06	31.48	4.80	52000	1.14	1.15	1.11
52500	4.18	4.19	0.01	32.56	5.27	52500	1.08	1.14	1.07
53000	4.15	4.18	0.03	32.44	5.29	53000	1.13	1.18	1.08
53500	4.21	4.19	0.02	30.41	4.88	53500	1.14	1.19	1.11
54000	4.24	4.22	0.02	31.36	4.75	54000	1.17	1.23	1.10
54500	4.32	4.23	0.09	28.45	5.67	54500	1.09	1.24	1.06
55000	4.26	4.24	0.03	28.87	5.33	55000	1.04	1.25	1.02
55500	4.32	4.23	0.09	28.98	5.46	55500	1.08	1.22	1.01
56000	4.33	4.31	0.02	29.88	5.78	56000	1.15	1.24	1.01
56500	4.33	4.31	0.03	29.76	5.77	56500	1.13	1.14	1.01
57000	4.39	4.30	0.08	31.89	5.49	57000	1.12	1.09	1.05
57500	4.43	4.38	0.05	31.82	5.18	57500	1.12	1.06	1.08
58000	4.34	4.43	0.08	32.54	5.13	58000	1.15	1.12	1.16
58500	4.42	4.41	0.01	32.80	5.21	58500	1.23	1.18	1.20
59000	4.50	4.39	0.11	34.81	5.72	59000	1.21	1.25	1.21
60000	4.59	4.46	0.13	32.91	7.07	60000	1.03	1.13	1.16
61000	4.51	4.50	0.00	32.87	4.99	61000	1.30	1.39	1.22
62000	4.49	4.52	0.03	37.81	6.53	62000	1.23	1.22	1.18
63000	4.53	4.55	0.02	33.40	5.73	63000	1.14	1.24	1.05
64000	4.66	4.62	0.04	31.69	6.56	64000	1.23	1.27	1.08
65000	4.56	4.54	0.02	36.71	5.14	65000	1.06	1.21	1.07

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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2 Way-0° Power Splitter/Combiner

ZC2PD-E40653+

Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = +100°C

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
39000	4.08	4.08	0.00	22.88	0.39	39000	1.11	1.13	1.05
40000	4.14	4.13	0.01	22.76	0.14	40000	1.21	1.22	1.11
40500	4.17	4.17	0.00	23.22	0.02	40500	1.26	1.25	1.14
41000	4.20	4.21	0.01	24.06	0.04	41000	1.29	1.27	1.18
41500	4.19	4.23	0.04	25.78	0.00	41500	1.30	1.25	1.20
42000	4.19	4.24	0.05	28.17	0.06	42000	1.27	1.23	1.23
42500	4.18	4.24	0.07	32.00	0.16	42500	1.22	1.18	1.23
43000	4.16	4.22	0.07	35.42	0.25	43000	1.16	1.14	1.20
43500	4.16	4.22	0.06	33.61	0.37	43500	1.08	1.11	1.16
44000	4.17	4.22	0.05	29.76	0.45	44000	1.07	1.09	1.11
44500	4.19	4.23	0.04	27.13	0.47	44500	1.11	1.09	1.06
45000	4.24	4.26	0.02	25.13	0.47	45000	1.15	1.08	1.02
45500	4.25	4.27	0.02	23.87	0.43	45500	1.17	1.07	1.03
46000	4.25	4.27	0.02	23.14	0.39	46000	1.18	1.07	1.04
46500	4.26	4.29	0.03	23.04	0.32	46500	1.14	1.08	1.05
47000	4.25	4.29	0.03	23.20	0.31	47000	1.11	1.11	1.08
47500	4.30	4.34	0.04	23.67	0.34	47500	1.12	1.15	1.13
48000	4.30	4.36	0.05	24.67	0.43	48000	1.19	1.21	1.19
48500	4.34	4.40	0.06	26.25	0.51	48500	1.23	1.23	1.23
49000	4.35	4.40	0.05	27.96	0.56	49000	1.23	1.23	1.24
49500	4.37	4.42	0.04	30.00	0.61	49500	1.22	1.22	1.22
50000	4.41	4.43	0.02	31.25	0.73	50000	1.14	1.18	1.17
50500	4.34	4.44	0.10	30.94	0.39	50500	1.12	1.15	1.12
51000	4.39	4.43	0.04	30.68	0.66	51000	1.10	1.12	1.08
51500	4.43	4.47	0.04	30.43	0.71	51500	1.11	1.10	1.05
52000	4.38	4.46	0.08	29.98	0.64	52000	1.12	1.07	1.05
52500	4.45	4.48	0.03	29.97	0.44	52500	1.10	1.06	1.03
53000	4.32	4.42	0.10	31.16	0.64	53000	1.02	1.04	1.04
53500	4.46	4.50	0.04	31.16	0.94	53500	1.04	1.03	1.03
54000	4.51	4.53	0.01	32.96	0.68	54000	1.01	1.05	1.06
54500	4.44	4.56	0.12	31.23	0.45	54500	1.03	1.06	1.04
55000	4.52	4.60	0.08	31.47	0.34	55000	1.01	1.10	1.03
55500	4.48	4.52	0.04	31.01	0.65	55500	1.03	1.06	1.06
56000	4.48	4.63	0.15	31.31	0.24	56000	1.07	1.11	1.07
56500	4.48	4.62	0.14	31.01	0.71	56500	1.10	1.11	1.07
57000	4.46	4.61	0.14	31.92	0.76	57000	1.13	1.12	1.04
57500	4.71	4.70	0.01	32.94	0.90	57500	1.11	1.09	1.02
58000	4.55	4.72	0.17	35.08	1.22	58000	1.12	1.13	1.03
58500	4.68	4.72	0.04	37.08	1.02	58500	1.10	1.07	1.06
59000	4.85	4.77	0.08	39.88	0.82	59000	1.06	1.04	1.09
60000	4.78	4.78	0.00	36.45	0.21	60000	1.04	1.05	1.09
61000	4.77	4.80	0.03	39.61	1.32	61000	1.03	1.03	1.06
62000	4.66	4.85	0.19	45.33	0.38	62000	1.05	1.04	1.10
63000	4.77	4.85	0.08	38.61	1.33	63000	1.04	1.07	1.08
64000	4.90	4.92	0.03	38.80	0.94	64000	1.04	1.05	1.03
65000	4.77	4.85	0.09	40.67	1.78	65000	1.04	1.05	1.05

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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