

2 Way-0° Power Splitter/Combiner

ZC2PD-E2653+

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
500	3.57	3.58	0.01	4.99	0.00	500	1.88	1.89	1.89
700	3.54	3.56	0.02	6.38	0.06	700	1.82	1.82	1.82
1000	3.49	3.51	0.02	9.45	0.10	1000	1.72	1.66	1.67
2000	3.29	3.30	0.01	31.00	0.20	2000	1.30	1.21	1.21
3000	3.28	3.29	0.01	30.69	0.29	3000	1.05	1.05	1.05
4000	3.33	3.34	0.01	24.36	0.36	4000	1.05	1.13	1.13
5000	3.38	3.40	0.02	25.53	0.54	5000	1.08	1.21	1.23
6000	3.42	3.42	0.00	26.62	0.62	6000	1.07	1.05	1.03
7000	3.46	3.47	0.01	25.48	0.72	7000	1.10	1.21	1.23
8000	3.48	3.48	0.00	29.88	0.84	8000	1.06	1.11	1.10
9000	3.52	3.52	0.00	34.56	0.90	9000	1.07	1.06	1.06
10000	3.54	3.54	0.00	32.45	1.00	10000	1.02	1.03	1.02
11000	3.58	3.58	0.00	30.09	1.06	11000	1.08	1.05	1.07
12000	3.61	3.62	0.00	27.95	1.21	12000	1.10	1.19	1.20
13000	3.68	3.67	0.01	28.93	1.29	13000	1.20	1.18	1.18
14000	3.67	3.67	0.01	38.97	1.37	14000	1.12	1.12	1.13
15000	3.76	3.75	0.01	42.54	1.48	15000	1.24	1.23	1.23
16000	3.73	3.72	0.01	37.66	1.58	16000	1.08	1.07	1.07
17000	3.82	3.79	0.02	30.08	1.68	17000	1.23	1.15	1.13
18000	3.80	3.77	0.02	32.83	1.71	18000	1.04	1.01	1.02
19000	3.85	3.82	0.02	28.02	1.80	19000	1.13	1.06	1.06
20000	3.89	3.86	0.02	27.06	1.89	20000	1.18	1.12	1.15
22000	3.98	3.95	0.03	27.96	2.06	22000	1.25	1.22	1.21
24000	4.04	3.99	0.04	30.35	2.27	24000	1.23	1.17	1.16
26000	4.06	4.02	0.04	35.50	2.35	26000	1.13	1.13	1.15
28000	4.11	4.06	0.05	29.98	2.49	28000	1.08	1.10	1.13
30000	4.16	4.10	0.06	27.60	2.62	30000	1.03	1.09	1.10
32000	4.23	4.18	0.05	29.51	2.69	32000	1.07	1.05	1.05
34000	4.28	4.24	0.04	30.59	2.69	34000	1.08	1.07	1.08
36000	4.34	4.33	0.02	26.67	2.89	36000	1.08	1.09	1.10
38000	4.39	4.38	0.01	28.27	3.01	38000	1.05	1.08	1.07
40000	4.45	4.45	0.01	28.98	3.18	40000	1.09	1.10	1.03
42000	4.47	4.51	0.04	32.51	3.30	42000	1.03	1.05	1.08
44000	4.53	4.60	0.07	38.85	3.71	44000	1.07	1.08	1.12
46000	4.62	4.70	0.08	36.61	4.09	46000	1.21	1.18	1.16
48000	4.70	4.80	0.10	28.17	4.44	48000	1.27	1.19	1.13
50000	4.78	4.88	0.11	25.34	4.89	50000	1.26	1.22	1.17
52000	4.86	4.92	0.06	27.72	5.31	52000	1.19	1.28	1.17
54000	4.88	4.95	0.08	28.61	5.39	54000	1.05	1.27	1.18
56000	4.94	5.04	0.10	28.77	5.67	56000	1.06	1.15	1.13
58000	5.04	5.14	0.10	31.92	6.28	58000	1.16	1.14	1.12
60000	5.19	5.26	0.07	36.63	6.65	60000	1.22	1.17	1.14
62000	5.21	5.29	0.08	32.13	7.05	62000	1.21	1.11	1.17
64000	5.22	5.30	0.08	41.92	7.51	64000	1.18	1.08	1.22
65000	5.25	5.34	0.09	54.29	7.92	65000	1.13	1.12	1.26
67000	5.54	5.57	0.03	30.26	8.39	67000	1.33	1.31	1.28

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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2 Way-0° Power Splitter/Combiner

ZC2PD-E2653+

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
500	3.57	3.58	0.01	4.94	0.03	500	1.88	1.87	1.87
700	3.55	3.57	0.02	6.29	0.01	700	1.83	1.78	1.79
1000	3.51	3.52	0.02	9.33	0.04	1000	1.73	1.63	1.63
2000	3.29	3.30	0.01	30.34	0.10	2000	1.31	1.22	1.22
3000	3.28	3.29	0.01	29.91	0.16	3000	1.07	1.05	1.04
4000	3.32	3.33	0.01	24.54	0.18	4000	1.06	1.11	1.11
5000	3.38	3.40	0.02	26.02	0.32	5000	1.10	1.23	1.25
6000	3.41	3.42	0.00	26.98	0.35	6000	1.08	1.05	1.03
7000	3.45	3.47	0.02	26.02	0.44	7000	1.11	1.23	1.25
8000	3.47	3.48	0.00	30.79	0.50	8000	1.07	1.12	1.11
9000	3.51	3.52	0.00	35.86	0.52	9000	1.09	1.07	1.08
10000	3.53	3.53	0.00	32.85	0.57	10000	1.02	1.05	1.03
11000	3.57	3.57	0.00	29.71	0.58	11000	1.10	1.05	1.06
12000	3.59	3.60	0.01	27.37	0.68	12000	1.08	1.17	1.19
13000	3.66	3.66	0.00	28.28	0.71	13000	1.21	1.18	1.18
14000	3.65	3.65	0.00	37.20	0.76	14000	1.11	1.12	1.12
15000	3.73	3.73	0.00	41.73	0.83	15000	1.24	1.23	1.23
16000	3.70	3.70	0.00	39.30	0.88	16000	1.08	1.08	1.07
17000	3.78	3.77	0.01	30.76	0.95	17000	1.22	1.15	1.13
18000	3.75	3.75	0.00	33.81	0.94	18000	1.02	1.01	1.02
19000	3.80	3.79	0.00	28.65	0.99	19000	1.11	1.05	1.05
20000	3.83	3.83	0.00	27.81	1.03	20000	1.16	1.10	1.12
22000	3.90	3.91	0.00	28.83	1.12	22000	1.23	1.20	1.20
24000	3.95	3.95	0.00	31.15	1.28	24000	1.22	1.15	1.15
26000	3.96	3.97	0.01	37.10	1.38	26000	1.13	1.11	1.13
28000	3.99	4.01	0.02	31.52	1.50	28000	1.07	1.09	1.12
30000	4.03	4.05	0.01	28.32	1.67	30000	1.03	1.09	1.10
32000	4.10	4.11	0.01	30.15	1.78	32000	1.06	1.03	1.06
34000	4.15	4.16	0.02	31.39	1.82	34000	1.10	1.05	1.09
36000	4.20	4.23	0.03	27.44	2.06	36000	1.10	1.06	1.10
38000	4.24	4.27	0.03	29.47	2.19	38000	1.05	1.06	1.09
40000	4.30	4.32	0.01	31.35	2.36	40000	1.06	1.05	1.04
42000	4.34	4.36	0.02	34.81	2.47	42000	1.01	1.03	1.10
44000	4.41	4.43	0.02	41.31	2.79	44000	1.09	1.12	1.14
46000	4.52	4.52	0.00	34.71	2.97	46000	1.23	1.24	1.20
48000	4.58	4.58	0.01	27.78	2.99	48000	1.26	1.23	1.16
50000	4.62	4.64	0.02	24.97	3.24	50000	1.19	1.19	1.17
52000	4.68	4.65	0.03	27.28	3.47	52000	1.11	1.23	1.15
54000	4.72	4.70	0.01	29.13	3.34	54000	1.04	1.23	1.15
56000	4.79	4.81	0.02	29.70	3.48	56000	1.13	1.13	1.12
58000	4.88	4.90	0.02	35.84	3.89	58000	1.13	1.08	1.10
60000	5.00	5.01	0.01	40.12	4.24	60000	1.18	1.07	1.06
62000	5.03	5.05	0.03	33.07	4.44	62000	1.15	1.01	1.10
64000	5.08	5.10	0.02	41.54	4.73	64000	1.21	1.10	1.15
65000	5.07	5.10	0.03	37.34	4.95	65000	1.06	1.09	1.17
67000	5.30	5.31	0.00	30.50	5.30	67000	1.25	1.26	1.20

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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2 Way-0° Power Splitter/Combiner

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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
500	3.58	3.59	0.01	4.96	0.03	500	1.87	1.93	1.93
700	3.56	3.58	0.02	6.30	0.02	700	1.81	1.88	1.88
1000	3.51	3.53	0.02	9.34	0.06	1000	1.71	1.74	1.74
2000	3.31	3.32	0.01	34.70	0.13	2000	1.30	1.23	1.23
3000	3.31	3.32	0.01	31.46	0.19	3000	1.04	1.05	1.04
4000	3.36	3.37	0.01	24.47	0.24	4000	1.06	1.12	1.12
5000	3.41	3.43	0.02	24.83	0.37	5000	1.06	1.20	1.22
6000	3.45	3.46	0.00	25.71	0.42	6000	1.07	1.06	1.04
7000	3.49	3.51	0.02	24.66	0.49	7000	1.08	1.20	1.22
8000	3.52	3.53	0.01	29.36	0.59	8000	1.06	1.11	1.11
9000	3.55	3.56	0.01	34.59	0.62	9000	1.05	1.05	1.05
10000	3.58	3.58	0.01	33.56	0.69	10000	1.02	1.03	1.03
11000	3.62	3.62	0.00	30.94	0.71	11000	1.07	1.04	1.06
12000	3.65	3.66	0.01	28.37	0.84	12000	1.10	1.18	1.20
13000	3.71	3.71	0.00	28.51	0.89	13000	1.18	1.17	1.17
14000	3.71	3.72	0.01	35.66	0.95	14000	1.11	1.11	1.12
15000	3.79	3.79	0.00	47.01	1.04	15000	1.21	1.22	1.22
16000	3.77	3.77	0.00	40.24	1.09	16000	1.07	1.07	1.07
17000	3.84	3.84	0.00	30.84	1.17	17000	1.20	1.13	1.11
18000	3.83	3.83	0.00	33.69	1.17	18000	1.03	1.01	1.02
19000	3.87	3.87	0.00	28.86	1.22	19000	1.11	1.05	1.05
20000	3.91	3.91	0.00	27.34	1.26	20000	1.17	1.11	1.13
22000	3.99	4.00	0.00	28.74	1.37	22000	1.24	1.21	1.21
24000	4.04	4.04	0.00	31.56	1.53	24000	1.20	1.15	1.14
26000	4.06	4.07	0.02	36.82	1.60	26000	1.12	1.11	1.14
28000	4.10	4.12	0.02	30.58	1.73	28000	1.06	1.09	1.12
30000	4.14	4.16	0.02	28.19	1.90	30000	1.01	1.09	1.10
32000	4.21	4.23	0.02	31.08	1.98	32000	1.04	1.02	1.04
34000	4.27	4.29	0.02	31.89	2.02	34000	1.08	1.03	1.06
36000	4.33	4.37	0.04	27.48	2.25	36000	1.06	1.06	1.10
38000	4.39	4.42	0.04	29.07	2.39	38000	1.06	1.06	1.11
40000	4.45	4.47	0.02	29.10	2.59	40000	1.08	1.04	1.02
42000	4.49	4.52	0.03	34.06	2.71	42000	1.04	1.02	1.09
44000	4.56	4.60	0.03	44.52	3.11	44000	1.09	1.11	1.16
46000	4.67	4.69	0.02	35.58	3.35	46000	1.22	1.21	1.20
48000	4.77	4.79	0.03	27.80	3.56	48000	1.29	1.24	1.19
50000	4.85	4.88	0.03	25.77	3.84	50000	1.30	1.25	1.22
52000	4.94	4.93	0.01	28.66	4.01	52000	1.27	1.31	1.23
54000	4.94	4.94	0.00	30.04	3.87	54000	1.12	1.26	1.19
56000	4.99	5.03	0.04	29.95	4.01	56000	1.06	1.11	1.11
58000	5.09	5.13	0.04	32.16	4.40	58000	1.14	1.09	1.05
60000	5.24	5.26	0.03	35.97	4.67	60000	1.21	1.15	1.10
62000	5.27	5.31	0.04	31.32	4.85	62000	1.19	1.09	1.12
64000	5.28	5.34	0.06	40.53	5.23	64000	1.13	1.05	1.15
65000	5.32	5.38	0.07	51.39	5.51	65000	1.09	1.10	1.18
67000	5.55	5.60	0.04	30.48	5.97	67000	1.27	1.26	1.24

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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