

2 Way-0° Power Splitter/Combiner

ZC2PD-E1653+

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	3.44	3.45	0.01	9.49	0.11	500	1.61	1.46	1.46
700	3.34	3.35	0.01	12.65	0.14	700	1.42	1.36	1.35
1000	3.23	3.23	0.01	18.17	0.20	1000	1.16	1.26	1.25
2000	3.28	3.30	0.01	23.05	0.31	2000	1.02	1.23	1.22
3000	3.37	3.39	0.03	22.37	0.42	3000	1.02	1.20	1.20
4000	3.45	3.48	0.03	25.35	0.59	4000	1.04	1.10	1.10
5000	3.50	3.55	0.04	27.70	0.67	5000	1.07	1.04	1.05
6000	3.56	3.61	0.05	27.58	0.74	6000	1.10	1.07	1.06
7000	3.62	3.68	0.05	29.02	0.84	7000	1.05	1.16	1.15
8000	3.68	3.74	0.06	37.72	0.93	8000	1.03	1.03	1.03
9000	3.73	3.81	0.07	32.00	1.03	9000	1.06	1.00	1.01
10000	3.78	3.85	0.08	26.25	1.11	10000	1.11	1.03	1.02
11000	3.81	3.90	0.08	34.60	1.14	11000	1.15	1.10	1.10
12000	3.86	3.94	0.09	31.77	1.25	12000	1.13	1.07	1.06
13000	3.90	4.00	0.10	41.67	1.29	13000	1.08	1.08	1.09
14000	3.96	4.06	0.10	27.64	1.34	14000	1.15	1.07	1.07
15000	4.01	4.11	0.11	37.68	1.45	15000	1.18	1.16	1.15
16000	4.04	4.16	0.12	33.73	1.54	16000	1.15	1.13	1.12
17000	4.06	4.18	0.12	33.00	1.55	17000	1.05	1.03	1.05
18000	4.10	4.24	0.13	38.09	1.60	18000	1.09	1.02	1.06
19000	4.15	4.29	0.13	31.56	1.68	19000	1.06	1.05	1.02
20000	4.18	4.33	0.14	31.58	1.81	20000	1.02	1.04	1.02
22000	4.29	4.45	0.17	30.53	1.91	22000	1.07	1.02	1.01
24000	4.40	4.58	0.18	31.74	1.97	24000	1.10	1.12	1.14
26000	4.50	4.70	0.20	30.17	2.01	26000	1.09	1.12	1.13
28000	4.60	4.80	0.20	49.72	2.10	28000	1.13	1.13	1.11
30000	4.70	4.91	0.21	26.34	2.19	30000	1.27	1.21	1.17
32000	4.76	5.00	0.24	24.93	2.20	32000	1.24	1.20	1.19
34000	4.88	5.11	0.24	33.09	2.30	34000	1.28	1.28	1.24
36000	4.92	5.19	0.26	27.04	2.34	36000	1.32	1.18	1.17
38000	4.89	5.15	0.26	25.02	2.32	38000	1.17	1.11	1.08
40000	4.94	5.21	0.26	40.46	2.47	40000	1.13	1.10	1.06
42000	5.00	5.26	0.26	25.84	2.43	42000	1.14	1.05	1.03
44000	5.09	5.36	0.27	25.53	2.59	44000	1.19	1.12	1.08
46000	5.14	5.43	0.29	27.31	2.54	46000	1.16	1.11	1.12
48000	5.34	5.62	0.28	26.60	2.57	48000	1.21	1.14	1.08
50000	5.55	5.83	0.27	24.30	2.76	50000	1.31	1.21	1.16
52000	5.74	6.01	0.27	33.00	2.82	52000	1.21	1.20	1.07
54000	5.85	6.14	0.28	27.14	2.86	54000	1.17	1.09	1.02
56000	6.05	6.33	0.28	24.98	2.85	56000	1.16	1.12	1.14
58000	6.16	6.43	0.28	27.15	2.87	58000	1.06	1.13	1.11
60000	6.26	6.52	0.26	23.00	2.98	60000	1.19	1.07	1.05
62000	6.42	6.67	0.25	33.18	3.07	62000	1.11	1.11	1.13
64000	6.44	6.69	0.25	26.98	3.26	64000	1.17	1.12	1.11
65000	6.52	6.78	0.26	24.72	3.61	65000	1.24	1.05	1.09
67000	6.53	6.79	0.26	30.15	3.49	67000	1.30	1.18	1.18

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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2 Way-0° Power Splitter/Combiner

ZC2PD-E1653+

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	3.47	3.46	0.01	9.43	0.06	500	1.62	1.43	1.43
700	3.37	3.36	0.01	12.57	0.09	700	1.43	1.34	1.33
1000	3.25	3.24	0.01	17.99	0.15	1000	1.17	1.25	1.25
2000	3.31	3.31	0.00	23.12	0.28	2000	1.02	1.22	1.21
3000	3.41	3.43	0.01	22.76	0.35	3000	1.00	1.20	1.20
4000	3.49	3.50	0.01	25.35	0.50	4000	1.04	1.10	1.11
5000	3.54	3.57	0.02	27.48	0.62	5000	1.08	1.03	1.05
6000	3.61	3.63	0.03	27.37	0.70	6000	1.11	1.07	1.06
7000	3.68	3.71	0.03	29.40	0.78	7000	1.08	1.17	1.16
8000	3.74	3.78	0.04	38.42	0.86	8000	1.06	1.06	1.05
9000	3.80	3.85	0.05	30.04	0.96	9000	1.10	1.03	1.03
10000	3.83	3.89	0.06	25.38	1.08	10000	1.15	1.04	1.03
11000	3.85	3.92	0.07	32.38	1.11	11000	1.17	1.12	1.13
12000	3.89	3.96	0.07	31.56	1.18	12000	1.13	1.09	1.08
13000	3.94	4.03	0.09	47.37	1.24	13000	1.10	1.08	1.10
14000	3.99	4.08	0.09	27.21	1.27	14000	1.18	1.08	1.08
15000	4.04	4.14	0.10	35.87	1.28	15000	1.21	1.16	1.16
16000	4.06	4.17	0.11	34.23	1.33	16000	1.17	1.14	1.14
17000	4.07	4.18	0.11	34.76	1.36	17000	1.08	1.05	1.07
18000	4.10	4.22	0.12	34.34	1.39	18000	1.09	1.03	1.07
19000	4.14	4.26	0.12	29.83	1.47	19000	1.08	1.03	1.01
20000	4.17	4.29	0.13	30.31	1.58	20000	1.04	1.03	1.04
22000	4.26	4.40	0.14	29.49	1.64	22000	1.06	1.03	1.04
24000	4.35	4.51	0.15	31.91	1.76	24000	1.14	1.12	1.13
26000	4.43	4.61	0.18	32.36	1.79	26000	1.12	1.11	1.13
28000	4.51	4.70	0.18	42.66	1.85	28000	1.14	1.11	1.10
30000	4.61	4.80	0.20	25.64	1.84	30000	1.24	1.17	1.13
32000	4.67	4.87	0.21	25.72	1.86	32000	1.16	1.15	1.14
34000	4.79	5.00	0.20	37.69	1.94	34000	1.21	1.22	1.19
36000	4.85	5.08	0.23	28.09	2.04	36000	1.24	1.11	1.10
38000	4.80	5.03	0.23	25.30	1.94	38000	1.08	1.03	1.08
40000	4.88	5.12	0.24	41.45	2.05	40000	1.07	1.07	1.03
42000	4.94	5.18	0.23	25.59	2.02	42000	1.15	1.08	1.11
44000	5.03	5.26	0.23	26.70	2.12	44000	1.19	1.16	1.13
46000	5.13	5.36	0.24	26.77	2.12	46000	1.19	1.15	1.16
48000	5.33	5.56	0.23	26.01	2.20	48000	1.23	1.14	1.08
50000	5.53	5.77	0.23	27.06	2.37	50000	1.26	1.15	1.14
52000	5.68	5.91	0.22	41.60	2.50	52000	1.08	1.13	1.06
54000	5.86	6.09	0.23	25.86	2.57	54000	1.21	1.03	1.04
56000	6.03	6.27	0.24	27.07	2.51	56000	1.06	1.08	1.15
58000	6.11	6.35	0.24	25.21	2.50	58000	1.22	1.09	1.11
60000	6.24	6.47	0.23	24.35	2.58	60000	1.11	1.06	1.06
62000	6.34	6.56	0.22	34.08	2.92	62000	1.07	1.06	1.09
64000	6.38	6.61	0.23	27.64	3.05	64000	1.13	1.06	1.03
65000	6.45	6.71	0.26	24.47	3.32	65000	1.16	1.04	1.05
67000	6.40	6.63	0.23	28.12	3.12	67000	1.08	1.09	1.09

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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2 Way-0° Power Splitter/Combiner

ZC2PD-E1653+

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	3.44	3.44	0.00	9.73	0.09	500	1.60	1.53	1.52
700	3.34	3.34	0.00	13.23	0.14	700	1.41	1.38	1.37
1000	3.23	3.23	0.00	18.82	0.20	1000	1.16	1.24	1.24
2000	3.29	3.29	0.00	22.22	0.36	2000	1.03	1.25	1.24
3000	3.38	3.39	0.01	22.03	0.53	3000	1.02	1.20	1.20
4000	3.47	3.49	0.01	25.28	0.76	4000	1.04	1.10	1.11
5000	3.54	3.56	0.02	27.09	0.91	5000	1.07	1.05	1.06
6000	3.61	3.63	0.02	27.31	1.04	6000	1.09	1.07	1.06
7000	3.68	3.70	0.03	28.69	1.20	7000	1.05	1.15	1.15
8000	3.74	3.77	0.03	36.91	1.39	8000	1.02	1.03	1.03
9000	3.79	3.84	0.05	32.23	1.55	9000	1.05	1.01	1.02
10000	3.83	3.89	0.06	26.61	1.70	10000	1.11	1.03	1.03
11000	3.87	3.93	0.06	36.52	1.79	11000	1.15	1.09	1.10
12000	3.91	3.98	0.07	32.09	1.95	12000	1.14	1.07	1.05
13000	3.95	4.04	0.09	40.26	2.06	13000	1.09	1.08	1.09
14000	4.00	4.10	0.09	27.37	2.16	14000	1.14	1.07	1.06
15000	4.05	4.16	0.10	39.38	2.32	15000	1.17	1.16	1.14
16000	4.08	4.20	0.12	33.71	2.41	16000	1.15	1.12	1.11
17000	4.09	4.22	0.13	32.44	2.43	17000	1.05	1.02	1.04
18000	4.13	4.27	0.14	40.55	2.48	18000	1.09	1.02	1.07
19000	4.18	4.31	0.13	33.87	2.55	19000	1.06	1.05	1.03
20000	4.21	4.34	0.13	33.00	2.70	20000	1.02	1.05	1.01
22000	4.30	4.44	0.14	30.17	2.95	22000	1.05	1.02	1.01
24000	4.40	4.55	0.15	31.67	3.16	24000	1.11	1.12	1.13
26000	4.49	4.66	0.17	30.83	3.30	26000	1.11	1.09	1.10
28000	4.58	4.75	0.17	37.07	3.42	28000	1.10	1.11	1.09
30000	4.70	4.88	0.18	27.85	3.55	30000	1.27	1.18	1.15
32000	4.79	4.99	0.19	25.85	3.78	32000	1.27	1.19	1.18
34000	4.91	5.09	0.18	36.20	3.93	34000	1.27	1.27	1.25
36000	4.97	5.17	0.20	28.95	4.12	36000	1.27	1.18	1.17
38000	4.97	5.17	0.20	27.31	4.23	38000	1.16	1.14	1.13
40000	5.04	5.23	0.19	44.76	4.48	40000	1.09	1.09	1.08
42000	5.09	5.28	0.19	26.69	4.62	42000	1.06	1.03	1.01
44000	5.19	5.39	0.19	27.24	4.91	44000	1.10	1.08	1.05
46000	5.27	5.47	0.20	30.47	5.04	46000	1.10	1.07	1.09
48000	5.47	5.66	0.19	27.70	5.20	48000	1.10	1.08	1.04
50000	5.67	5.86	0.19	24.64	5.52	50000	1.17	1.17	1.13
52000	5.90	6.07	0.18	32.93	5.77	52000	1.15	1.16	1.05
54000	6.04	6.23	0.19	29.02	6.01	54000	1.06	1.06	1.04
56000	6.22	6.41	0.19	26.63	6.13	56000	1.14	1.12	1.16
58000	6.38	6.56	0.17	26.99	6.38	58000	1.03	1.12	1.11
60000	6.46	6.64	0.18	23.78	6.55	60000	1.21	1.08	1.06
62000	6.60	6.78	0.18	33.18	6.80	62000	1.13	1.11	1.13
64000	6.63	6.80	0.18	29.63	7.13	64000	1.12	1.08	1.09
65000	6.69	6.87	0.18	28.06	7.56	65000	1.14	1.01	1.07
67000	6.70	6.89	0.19	33.08	7.53	67000	1.22	1.14	1.16

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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