

2 Way-0° Power Splitter/Combiner

ZC2PD-V154+

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	3.46	3.47	0.01	9.79	0.05	500	1.63	1.49	1.50
700	3.36	3.37	0.01	12.77	0.06	700	1.43	1.37	1.37
1000	3.27	3.28	0.01	17.50	0.04	1000	1.18	1.27	1.28
2000	3.35	3.36	0.01	21.86	0.08	2000	1.03	1.19	1.19
3000	3.44	3.45	0.01	25.10	0.02	3000	1.02	1.15	1.13
4000	3.50	3.52	0.02	24.16	0.01	4000	1.07	1.11	1.13
5000	3.57	3.58	0.01	27.45	0.01	5000	1.05	1.08	1.09
6000	3.65	3.65	0.00	29.92	0.04	6000	1.07	1.04	1.03
7000	3.73	3.72	0.01	30.88	0.05	7000	1.07	1.13	1.11
8000	3.79	3.79	0.00	32.79	0.07	8000	1.06	1.03	1.01
9000	3.85	3.85	0.00	27.47	0.06	9000	1.03	1.07	1.08
10000	3.91	3.90	0.01	33.03	0.13	10000	1.03	1.03	1.05
11000	3.97	3.95	0.02	32.65	0.15	11000	1.01	1.06	1.04
12000	4.02	4.01	0.02	32.43	0.17	12000	1.00	1.07	1.06
13000	4.08	4.07	0.01	31.61	0.16	13000	1.02	1.11	1.13
14000	4.13	4.12	0.01	36.59	0.22	14000	1.02	1.07	1.08
15000	4.19	4.16	0.03	34.46	0.20	15000	1.04	1.11	1.09
16000	4.25	4.22	0.02	39.13	0.24	16000	1.09	1.03	1.02
17000	4.30	4.27	0.03	30.75	0.26	17000	1.10	1.04	1.06
18000	4.35	4.31	0.04	32.14	0.27	18000	1.09	1.09	1.10
19000	4.39	4.35	0.04	26.95	0.29	19000	1.09	1.09	1.10
20000	4.44	4.39	0.05	30.19	0.31	20000	1.07	1.07	1.06
21000	4.50	4.44	0.06	27.18	0.41	21000	1.10	1.10	1.10
22000	4.56	4.50	0.06	35.57	0.48	22000	1.08	1.08	1.09
23000	4.60	4.54	0.06	35.13	0.52	23000	1.05	1.05	1.06
24000	4.65	4.58	0.06	32.11	0.52	24000	1.02	1.05	1.08
25000	4.71	4.64	0.08	33.73	0.60	25000	1.09	1.06	1.07
26000	4.78	4.69	0.08	36.91	0.65	26000	1.14	1.12	1.11
27000	4.83	4.74	0.09	29.10	0.75	27000	1.16	1.08	1.07
28000	4.86	4.77	0.09	27.66	0.80	28000	1.12	1.08	1.07
29000	4.93	4.84	0.09	26.67	0.90	29000	1.13	1.10	1.11
30000	4.98	4.88	0.10	29.27	0.93	30000	1.15	1.15	1.15
31000	5.04	4.94	0.10	32.28	1.01	31000	1.14	1.13	1.12
32000	5.09	5.00	0.10	33.37	1.08	32000	1.15	1.13	1.15
33000	5.15	5.04	0.10	45.05	1.14	33000	1.17	1.10	1.12
34000	5.21	5.11	0.10	43.80	1.24	34000	1.20	1.14	1.14
35000	5.26	5.15	0.11	29.75	1.29	35000	1.23	1.09	1.12
36000	5.34	5.23	0.11	30.34	1.39	36000	1.25	1.02	1.04
37000	5.36	5.25	0.11	27.63	1.46	37000	1.17	1.05	1.03
38000	5.40	5.29	0.11	27.71	1.60	38000	1.12	1.08	1.06
40000	5.47	5.37	0.10	36.12	1.73	40000	1.07	1.03	1.05
42000	5.61	5.50	0.11	30.24	1.85	42000	1.08	1.07	1.05
44000	5.72	5.62	0.10	33.02	2.09	44000	1.14	1.06	1.04
48000	5.95	5.89	0.06	37.93	2.41	48000	1.25	1.16	1.20
50000	6.05	6.00	0.06	32.74	2.37	50000	1.17	1.15	1.16
52000	6.14	6.10	0.05	32.37	2.45	52000	1.10	1.13	1.12

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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2 Way-0° Power Splitter/Combiner

ZC2PD-V154+

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	3.52	3.55	0.03	9.74	0.15	500	1.63	1.46	1.47
700	3.42	3.45	0.03	12.69	0.14	700	1.44	1.35	1.35
1000	3.32	3.37	0.04	17.40	0.11	1000	1.19	1.27	1.28
2000	3.41	3.45	0.05	22.10	0.23	2000	1.05	1.19	1.19
3000	3.50	3.55	0.05	25.53	0.15	3000	1.03	1.15	1.13
4000	3.55	3.62	0.07	24.07	0.11	4000	1.06	1.12	1.13
5000	3.62	3.70	0.08	27.26	0.12	5000	1.06	1.07	1.08
6000	3.70	3.77	0.07	29.75	0.11	6000	1.08	1.06	1.04
7000	3.77	3.84	0.07	31.12	0.04	7000	1.09	1.15	1.13
8000	3.83	3.91	0.08	32.60	0.01	8000	1.08	1.05	1.03
9000	3.89	3.97	0.08	26.93	0.09	9000	1.06	1.05	1.06
10000	3.94	4.02	0.07	31.74	0.12	10000	1.04	1.01	1.03
11000	4.00	4.06	0.06	33.45	0.16	11000	1.02	1.06	1.04
12000	4.06	4.11	0.05	32.24	0.21	12000	1.01	1.06	1.04
13000	4.11	4.16	0.05	31.46	0.27	13000	1.01	1.10	1.11
14000	4.16	4.20	0.04	36.47	0.23	14000	1.02	1.06	1.06
15000	4.23	4.24	0.01	35.16	0.22	15000	1.04	1.09	1.07
16000	4.28	4.29	0.01	40.02	0.20	16000	1.09	1.02	1.01
17000	4.34	4.34	0.00	30.50	0.19	17000	1.09	1.05	1.06
18000	4.39	4.38	0.01	31.68	0.14	18000	1.09	1.11	1.11
19000	4.44	4.42	0.02	26.59	0.14	19000	1.09	1.10	1.09
20000	4.49	4.45	0.03	29.27	0.08	20000	1.09	1.08	1.06
21000	4.55	4.50	0.04	26.61	0.02	21000	1.12	1.09	1.10
22000	4.60	4.56	0.05	35.65	0.09	22000	1.10	1.09	1.10
23000	4.65	4.60	0.05	36.01	0.09	23000	1.07	1.04	1.06
24000	4.69	4.63	0.06	32.27	0.15	24000	1.04	1.04	1.06
25000	4.75	4.68	0.07	37.58	0.22	25000	1.08	1.06	1.05
26000	4.82	4.74	0.08	37.65	0.29	26000	1.15	1.13	1.10
27000	4.87	4.79	0.08	29.29	0.39	27000	1.15	1.10	1.07
28000	4.90	4.82	0.08	27.69	0.40	28000	1.10	1.06	1.05
29000	4.96	4.88	0.08	26.19	0.49	29000	1.11	1.07	1.08
30000	5.00	4.92	0.09	28.04	0.54	30000	1.10	1.11	1.11
31000	5.07	4.97	0.10	31.45	0.58	31000	1.11	1.09	1.08
32000	5.12	5.03	0.09	31.87	0.67	32000	1.15	1.07	1.10
33000	5.17	5.08	0.10	51.53	0.67	33000	1.16	1.04	1.07
34000	5.25	5.15	0.10	42.13	0.80	34000	1.20	1.08	1.09
35000	5.29	5.18	0.11	30.09	0.89	35000	1.25	1.08	1.09
36000	5.38	5.26	0.11	29.83	1.01	36000	1.27	1.05	1.04
37000	5.40	5.28	0.12	27.37	1.10	37000	1.19	1.10	1.06
38000	5.43	5.32	0.12	26.96	1.24	38000	1.10	1.11	1.07
40000	5.51	5.40	0.11	36.10	1.37	40000	1.02	1.08	1.03
42000	5.62	5.51	0.11	31.90	1.55	42000	1.04	1.12	1.09
44000	5.74	5.64	0.11	32.99	1.75	44000	1.11	1.11	1.05
48000	5.93	5.86	0.07	36.88	2.18	48000	1.18	1.12	1.15
50000	6.03	5.97	0.07	31.66	2.14	50000	1.08	1.08	1.09
52000	6.15	6.09	0.06	30.79	2.18	52000	1.08	1.12	1.09

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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2 Way-0° Power Splitter/Combiner

ZC2PD-V154+

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	3.45	3.46	0.01	10.10	0.07	500	1.63	1.54	1.54
700	3.35	3.36	0.01	13.55	0.06	700	1.42	1.36	1.37
1000	3.25	3.27	0.01	18.21	0.06	1000	1.17	1.25	1.26
2000	3.33	3.34	0.01	20.95	0.14	2000	1.03	1.22	1.22
3000	3.42	3.43	0.01	24.52	0.10	3000	1.02	1.15	1.14
4000	3.46	3.48	0.02	23.76	0.12	4000	1.06	1.12	1.13
5000	3.52	3.54	0.02	26.93	0.15	5000	1.05	1.08	1.09
6000	3.59	3.60	0.01	29.31	0.20	6000	1.07	1.04	1.03
7000	3.66	3.66	0.00	29.94	0.23	7000	1.08	1.14	1.12
8000	3.71	3.72	0.01	32.49	0.25	8000	1.06	1.04	1.02
9000	3.76	3.77	0.01	27.09	0.24	9000	1.04	1.08	1.09
10000	3.81	3.82	0.00	32.29	0.31	10000	1.03	1.03	1.05
11000	3.87	3.86	0.01	32.59	0.33	11000	1.01	1.07	1.04
12000	3.93	3.91	0.02	31.25	0.36	12000	1.01	1.08	1.06
13000	3.98	3.97	0.01	31.02	0.38	13000	1.02	1.11	1.12
14000	4.04	4.02	0.02	36.66	0.46	14000	1.02	1.07	1.08
15000	4.10	4.06	0.04	33.68	0.49	15000	1.04	1.11	1.09
16000	4.16	4.12	0.04	40.01	0.56	16000	1.10	1.03	1.02
17000	4.21	4.17	0.04	30.83	0.60	17000	1.11	1.05	1.06
18000	4.26	4.21	0.05	31.66	0.67	18000	1.10	1.10	1.10
19000	4.31	4.25	0.06	26.88	0.72	19000	1.08	1.09	1.10
20000	4.35	4.28	0.07	29.58	0.78	20000	1.07	1.07	1.06
21000	4.42	4.34	0.08	26.65	0.90	21000	1.10	1.11	1.10
22000	4.48	4.40	0.08	34.39	0.99	22000	1.07	1.09	1.10
23000	4.52	4.43	0.08	33.68	1.07	23000	1.03	1.04	1.06
24000	4.57	4.48	0.09	31.13	1.13	24000	1.02	1.05	1.08
25000	4.63	4.53	0.10	35.76	1.23	25000	1.09	1.05	1.06
26000	4.70	4.59	0.11	36.44	1.30	26000	1.16	1.12	1.10
27000	4.75	4.63	0.12	29.55	1.42	27000	1.16	1.08	1.07
28000	4.79	4.67	0.11	27.64	1.53	28000	1.12	1.08	1.07
29000	4.85	4.73	0.12	26.45	1.65	29000	1.13	1.10	1.11
30000	4.91	4.78	0.13	28.74	1.71	30000	1.17	1.15	1.14
31000	4.96	4.83	0.13	30.58	1.87	31000	1.16	1.13	1.12
32000	5.01	4.88	0.13	31.52	1.97	32000	1.17	1.13	1.15
33000	5.07	4.93	0.14	41.02	2.05	33000	1.16	1.11	1.12
34000	5.13	4.99	0.14	42.56	2.19	34000	1.17	1.14	1.14
35000	5.18	5.04	0.14	29.81	2.27	35000	1.23	1.10	1.12
36000	5.27	5.12	0.15	31.08	2.39	36000	1.25	1.02	1.04
37000	5.27	5.13	0.15	27.60	2.52	37000	1.14	1.06	1.04
38000	5.32	5.17	0.15	27.66	2.67	38000	1.11	1.08	1.06
40000	5.40	5.26	0.14	35.22	2.92	40000	1.07	1.03	1.04
42000	5.53	5.39	0.14	31.11	3.12	42000	1.05	1.09	1.07
44000	5.65	5.51	0.14	34.26	3.37	44000	1.10	1.07	1.02
48000	5.91	5.81	0.10	38.57	3.89	48000	1.30	1.16	1.20
50000	6.03	5.94	0.09	35.07	3.94	50000	1.23	1.17	1.19
52000	6.10	6.02	0.08	33.89	4.02	52000	1.15	1.15	1.14

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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