

2 Way-0° Power Splitter/Combiner

ZN2PD-V54+

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
10	3.53	3.52	0.01	3.53	0.08	10	2.00	2.00	2.00
100	3.56	3.55	0.01	3.57	0.11	100	1.98	1.98	1.98
500	3.57	3.60	0.04	3.68	0.33	500	1.94	1.94	1.96
1000	3.54	3.64	0.08	3.88	0.46	1000	1.91	1.91	1.96
5000	3.61	3.73	0.25	10.22	1.27	5000	1.84	1.28	1.37
10000	3.55	3.56	0.10	29.39	0.29	10000	1.50	1.53	1.53
11000	3.54	3.55	0.13	25.05	0.00	11000	1.43	1.55	1.52
12000	3.50	3.55	0.14	23.95	0.01	12000	1.34	1.49	1.52
13000	3.47	3.51	0.12	23.40	0.11	13000	1.22	1.43	1.46
14000	3.54	3.52	0.14	21.76	0.37	14000	1.25	1.45	1.39
15000	3.58	3.55	0.17	20.20	0.34	15000	1.24	1.38	1.31
16000	3.54	3.55	0.16	20.23	0.22	16000	1.10	1.19	1.18
17000	3.56	3.60	0.15	22.82	0.32	17000	1.12	1.09	1.08
18000	3.58	3.62	0.16	31.04	0.39	18000	1.10	1.08	1.08
19000	3.60	3.65	0.15	28.73	0.45	19000	1.09	1.05	1.04
20000	3.66	3.72	0.15	22.04	0.73	20000	1.24	1.04	1.06
21000	3.71	3.76	0.21	20.02	0.90	21000	1.27	1.10	1.17
22000	3.78	3.78	0.30	20.21	0.54	22000	1.31	1.29	1.29
23000	3.81	3.79	0.23	20.97	0.22	23000	1.28	1.38	1.27
24000	3.78	3.82	0.16	20.45	0.09	24000	1.19	1.32	1.22
25000	3.76	3.92	0.19	19.76	0.39	25000	1.19	1.24	1.28
26000	3.80	4.02	0.22	20.58	0.43	26000	1.27	1.23	1.39
27000	3.86	4.04	0.29	24.05	0.07	27000	1.28	1.25	1.40
28000	3.86	3.99	0.20	30.29	0.51	28000	1.13	1.24	1.18
29000	3.91	4.02	0.13	26.12	0.17	29000	1.16	1.24	1.10
30000	3.92	4.06	0.13	23.02	0.24	30000	1.12	1.23	1.23
31000	3.93	4.11	0.18	23.76	0.48	31000	1.12	1.32	1.38
32000	3.99	4.22	0.24	26.28	0.28	32000	1.26	1.39	1.56
33000	3.97	4.20	0.24	23.10	0.29	33000	1.11	1.24	1.43
34000	4.16	4.30	0.17	19.23	0.44	34000	1.43	1.11	1.28
35000	4.28	4.39	0.16	17.78	0.16	35000	1.58	1.13	1.28
36000	4.10	4.29	0.20	18.28	0.39	36000	1.20	1.18	1.31
37000	4.12	4.39	0.12	20.51	0.95	37000	1.19	1.44	1.62
38000	4.25	4.48	0.02	22.22	0.61	38000	1.33	1.57	1.74
39000	4.32	4.45	0.05	22.13	0.51	39000	1.31	1.52	1.58
40000	4.37	4.43	0.11	22.40	1.35	40000	1.32	1.44	1.36
41000	4.33	4.41	0.34	23.88	0.58	41000	1.19	1.30	1.18
42000	4.31	4.47	0.32	22.89	1.14	42000	1.09	1.11	1.15
43000	4.36	4.55	0.08	19.88	1.86	43000	1.25	1.05	1.13
44000	4.47	4.55	0.14	19.02	1.04	44000	1.26	1.12	1.14
45000	4.56	4.50	0.18	21.20	0.63	45000	1.17	1.43	1.20
46000	4.72	4.69	0.01	28.07	1.60	46000	1.39	1.70	1.44
47000	4.75	4.90	0.22	23.63	0.76	47000	1.31	1.50	1.55
48000	4.57	4.91	0.18	18.04	0.49	48000	1.24	1.17	1.35
49000	4.87	5.18	0.20	16.68	0.10	49000	1.61	1.13	1.27
50000	4.83	4.93	0.24	17.92	0.97	50000	1.36	1.13	1.19

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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2 Way-0° Power Splitter/Combiner

ZN2PD-V54+

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
10	3.53	3.53	0.01	3.55	0.11	10	1.99	1.99	1.99
100	3.55	3.56	0.00	3.58	0.00	100	1.98	1.97	1.97
500	3.59	3.59	0.01	3.67	0.00	500	1.95	1.95	1.95
1000	3.60	3.61	0.01	3.86	0.00	1000	1.93	1.93	1.93
5000	3.62	3.61	0.01	10.02	0.36	5000	1.80	1.30	1.29
10000	3.55	3.56	0.01	30.10	0.39	10000	1.51	1.50	1.53
11000	3.55	3.55	0.00	26.27	0.40	11000	1.45	1.52	1.53
12000	3.52	3.50	0.02	24.97	0.49	12000	1.33	1.48	1.47
13000	3.50	3.48	0.02	23.92	0.63	13000	1.23	1.45	1.43
14000	3.54	3.53	0.01	22.24	0.81	14000	1.28	1.47	1.46
15000	3.56	3.57	0.01	20.97	0.86	15000	1.26	1.41	1.42
16000	3.52	3.54	0.02	21.01	0.83	16000	1.08	1.24	1.26
17000	3.55	3.57	0.02	23.15	0.79	17000	1.09	1.08	1.11
18000	3.59	3.60	0.02	28.43	0.82	18000	1.13	1.06	1.08
19000	3.60	3.62	0.02	30.23	0.86	19000	1.13	1.05	1.06
20000	3.64	3.66	0.02	24.59	0.86	20000	1.16	1.01	1.04
21000	3.67	3.68	0.01	22.03	0.88	21000	1.16	1.14	1.14
22000	3.72	3.72	0.00	21.15	1.06	22000	1.21	1.26	1.23
23000	3.73	3.76	0.03	20.68	1.20	23000	1.22	1.26	1.24
24000	3.73	3.79	0.06	20.24	1.06	24000	1.17	1.21	1.22
25000	3.77	3.82	0.04	20.25	0.89	25000	1.18	1.26	1.27
26000	3.84	3.86	0.02	21.44	0.97	26000	1.27	1.34	1.32
27000	3.86	3.88	0.03	24.19	1.13	27000	1.26	1.29	1.26
28000	3.82	3.87	0.05	27.77	1.14	28000	1.09	1.13	1.14
29000	3.83	3.89	0.06	28.63	1.00	29000	1.04	1.13	1.13
30000	3.88	3.92	0.04	28.77	0.92	30000	1.09	1.24	1.21
31000	3.96	3.98	0.02	31.07	0.99	31000	1.20	1.36	1.30
32000	3.98	3.98	0.00	26.27	1.15	32000	1.13	1.34	1.25
33000	4.03	4.04	0.01	20.70	1.43	33000	1.23	1.14	1.10
34000	4.27	4.32	0.06	17.91	1.72	34000	1.65	1.19	1.25
35000	4.19	4.33	0.14	17.06	1.70	35000	1.54	1.18	1.25
36000	4.03	4.24	0.21	18.07	1.26	36000	1.14	1.24	1.41
37000	4.28	4.49	0.22	21.46	0.69	37000	1.54	1.58	1.80
38000	4.39	4.54	0.15	27.35	0.23	38000	1.61	1.65	1.82
39000	4.25	4.33	0.08	28.86	0.04	39000	1.29	1.44	1.49
40000	4.24	4.26	0.02	23.66	0.22	40000	1.03	1.26	1.20
41000	4.36	4.36	0.00	20.94	0.63	41000	1.22	1.19	1.11
42000	4.44	4.46	0.02	19.70	1.09	42000	1.39	1.20	1.11
43000	4.45	4.56	0.11	19.33	1.28	43000	1.43	1.20	1.05
44000	4.35	4.56	0.21	20.72	0.93	44000	1.21	1.04	1.22
45000	4.49	4.72	0.23	26.02	0.20	45000	1.39	1.35	1.60
46000	4.81	4.95	0.14	38.70	0.26	46000	1.64	1.61	1.73
47000	4.68	4.76	0.08	23.95	0.43	47000	1.32	1.51	1.45
48000	4.67	4.69	0.02	19.09	0.15	48000	1.24	1.20	1.15
49000	4.87	4.91	0.04	17.99	0.27	49000	1.48	1.07	1.13
50000	4.72	4.82	0.10	18.57	0.37	50000	1.26	1.16	1.10

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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2 Way-0° Power Splitter/Combiner

ZN2PD-V54+

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
10	3.53	3.53	0.00	3.54	0.12	10	2.00	2.00	2.00
100	3.56	3.55	0.01	3.57	0.08	100	1.98	1.97	1.98
500	3.57	3.60	0.03	3.69	0.24	500	1.94	1.94	1.96
1000	3.55	3.64	0.09	3.89	0.14	1000	1.91	1.91	1.96
5000	3.64	3.70	0.06	10.34	0.60	5000	1.86	1.27	1.34
10000	3.57	3.60	0.03	28.50	0.15	10000	1.50	1.53	1.53
11000	3.54	3.60	0.06	24.88	0.01	11000	1.41	1.52	1.49
12000	3.50	3.59	0.09	23.52	0.31	12000	1.31	1.47	1.48
13000	3.51	3.54	0.04	22.76	0.61	13000	1.20	1.44	1.44
14000	3.55	3.54	0.01	21.67	0.39	14000	1.20	1.43	1.38
15000	3.57	3.57	0.00	20.81	0.09	15000	1.18	1.33	1.30
16000	3.55	3.59	0.04	21.35	0.10	16000	1.06	1.16	1.18
17000	3.58	3.63	0.05	24.31	0.24	17000	1.08	1.06	1.08
18000	3.61	3.65	0.04	30.72	0.29	18000	1.06	1.05	1.06
19000	3.64	3.69	0.04	26.36	0.27	19000	1.13	1.04	1.04
20000	3.70	3.75	0.05	21.63	0.35	20000	1.23	1.02	1.07
21000	3.75	3.78	0.04	20.06	0.46	21000	1.26	1.14	1.19
22000	3.81	3.81	0.00	20.26	0.38	22000	1.30	1.31	1.29
23000	3.84	3.82	0.01	20.84	0.07	23000	1.26	1.36	1.27
24000	3.81	3.86	0.05	20.38	0.55	24000	1.18	1.30	1.21
25000	3.80	3.96	0.16	19.88	0.47	25000	1.17	1.22	1.27
26000	3.83	4.04	0.21	20.72	0.20	26000	1.23	1.19	1.37
27000	3.88	4.05	0.17	23.81	0.83	27000	1.23	1.21	1.38
28000	3.91	4.02	0.10	28.27	0.83	28000	1.10	1.25	1.18
29000	3.96	4.04	0.08	26.33	0.52	29000	1.10	1.28	1.08
30000	3.98	4.10	0.12	24.16	0.30	30000	1.07	1.29	1.22
31000	4.00	4.18	0.18	25.09	0.30	31000	1.16	1.37	1.41
32000	4.02	4.26	0.24	25.66	0.73	32000	1.20	1.36	1.54
33000	4.02	4.25	0.23	21.46	1.42	33000	1.11	1.18	1.38
34000	4.28	4.42	0.14	18.24	1.74	34000	1.55	1.15	1.28
35000	4.39	4.46	0.07	17.12	1.28	35000	1.63	1.16	1.28
36000	4.18	4.31	0.13	17.83	0.95	36000	1.19	1.22	1.27
37000	4.26	4.46	0.20	20.68	1.25	37000	1.29	1.54	1.63
38000	4.42	4.59	0.17	23.93	1.78	38000	1.46	1.70	1.80
39000	4.41	4.51	0.10	23.84	1.95	39000	1.30	1.58	1.59
40000	4.40	4.47	0.08	22.31	1.66	40000	1.23	1.40	1.33
41000	4.39	4.51	0.12	21.63	1.38	41000	1.23	1.23	1.14
42000	4.43	4.61	0.18	21.07	1.74	42000	1.23	1.07	1.11
43000	4.45	4.60	0.15	19.64	2.38	43000	1.24	1.07	1.14
44000	4.55	4.56	0.01	19.73	2.58	44000	1.17	1.23	1.17
45000	4.68	4.57	0.10	22.44	1.67	45000	1.21	1.54	1.23
46000	4.81	4.78	0.03	28.23	0.39	46000	1.39	1.70	1.46
47000	4.87	5.05	0.18	22.63	0.26	47000	1.28	1.45	1.53
48000	4.66	5.00	0.35	18.14	1.43	48000	1.25	1.15	1.34
49000	4.95	5.22	0.28	16.68	2.84	49000	1.60	1.12	1.24
50000	4.93	5.04	0.10	17.58	3.03	50000	1.37	1.11	1.14

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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