

2 Way-0° Power Splitter/Combiner

ZC2PD-E18653+

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
15000	3.52	3.44	0.08	21.16	0.68	15000	1.07	1.28	1.29
16000	3.54	3.47	0.07	21.06	0.54	16000	1.11	1.17	1.17
17000	3.54	3.51	0.03	21.88	0.67	17000	1.13	1.05	1.06
18000	3.55	3.52	0.03	24.12	0.94	18000	1.04	1.09	1.12
19000	3.59	3.56	0.04	27.14	1.06	19000	1.13	1.13	1.15
20000	3.68	3.64	0.04	28.28	1.24	20000	1.30	1.24	1.24
21000	3.75	3.68	0.07	26.71	1.40	21000	1.34	1.36	1.35
22000	3.69	3.60	0.10	24.63	1.32	22000	1.20	1.35	1.34
23000	3.65	3.57	0.08	22.38	1.25	23000	1.10	1.23	1.22
24000	3.73	3.65	0.08	21.09	1.39	24000	1.29	1.15	1.12
25000	3.78	3.68	0.10	21.41	1.45	25000	1.34	1.12	1.10
26000	3.71	3.61	0.10	23.43	1.42	26000	1.20	1.04	1.03
27000	3.71	3.61	0.10	27.04	1.45	27000	1.16	1.11	1.12
28000	3.81	3.71	0.10	29.71	1.52	28000	1.34	1.25	1.29
29000	3.83	3.74	0.10	26.54	1.61	29000	1.33	1.32	1.36
30000	3.76	3.64	0.11	23.24	1.73	30000	1.12	1.27	1.28
31000	3.79	3.67	0.12	21.44	1.69	31000	1.16	1.21	1.19
32000	3.93	3.80	0.13	20.75	1.62	32000	1.41	1.22	1.16
33000	3.95	3.83	0.12	21.39	1.68	33000	1.42	1.21	1.15
34000	3.87	3.74	0.12	23.57	1.73	34000	1.24	1.10	1.05
35000	3.84	3.71	0.13	28.30	1.76	35000	1.11	1.07	1.09
36000	3.92	3.79	0.13	36.62	1.80	36000	1.26	1.23	1.22
37000	3.94	3.80	0.14	31.04	1.81	37000	1.26	1.25	1.24
38000	3.90	3.78	0.12	25.74	1.80	38000	1.12	1.12	1.16
39000	3.93	3.82	0.11	22.54	1.85	39000	1.20	1.05	1.05
40000	4.02	3.90	0.12	21.34	2.06	40000	1.33	1.13	1.04
41000	4.07	3.93	0.14	21.65	2.12	41000	1.37	1.12	1.11
42000	4.03	3.89	0.14	24.05	2.05	42000	1.30	1.09	1.10
43000	4.01	3.87	0.14	28.57	2.04	43000	1.19	1.10	1.07
44000	4.07	3.95	0.11	31.09	2.09	44000	1.29	1.17	1.26
45000	4.10	4.00	0.10	30.44	2.29	45000	1.33	1.20	1.34
46000	4.04	3.93	0.11	27.38	2.56	46000	1.15	1.13	1.22
47000	4.07	3.92	0.15	25.58	2.59	47000	1.13	1.09	1.11
48000	4.16	4.00	0.16	25.41	2.60	48000	1.31	1.18	1.15
49000	4.16	3.99	0.17	27.66	2.56	49000	1.22	1.17	1.11
50000	4.13	3.97	0.16	31.43	2.56	50000	1.06	1.11	1.10
52000	4.19	4.03	0.17	36.17	2.59	52000	1.11	1.14	1.15
54000	4.22	4.06	0.15	36.43	2.81	54000	1.02	1.05	1.08
56000	4.33	4.14	0.20	34.00	2.94	56000	1.13	1.23	1.17
58000	4.39	4.21	0.18	29.49	2.77	58000	1.03	1.16	1.15
60000	4.46	4.43	0.04	27.78	3.43	60000	1.10	1.04	1.11
62000	4.52	4.30	0.21	30.38	3.31	62000	1.03	1.15	1.06
64000	4.48	4.40	0.09	28.09	3.31	64000	1.04	1.12	1.28
65000	4.53	4.48	0.05	29.38	3.92	65000	1.17	1.19	1.40
66000	4.59	4.54	0.05	29.30	4.64	66000	1.31	1.23	1.45
67000	4.69	4.57	0.13	35.10	4.86	67000	1.25	1.20	1.28

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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REV. OR
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4/20/2020

Page 1 of 3

2 Way-0° Power Splitter/Combiner

ZC2PD-E18653+

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
15000	3.48	3.54	0.06	21.30	0.47	15000	1.09	1.29	1.28
16000	3.49	3.56	0.06	21.15	0.67	16000	1.09	1.18	1.18
17000	3.54	3.57	0.03	21.87	0.72	17000	1.13	1.07	1.06
18000	3.55	3.58	0.02	23.96	0.55	18000	1.06	1.11	1.07
19000	3.58	3.61	0.03	27.01	0.51	19000	1.09	1.13	1.10
20000	3.67	3.70	0.03	28.41	0.41	20000	1.25	1.22	1.21
21000	3.72	3.78	0.06	26.97	0.29	21000	1.32	1.33	1.33
22000	3.65	3.74	0.09	24.91	0.43	22000	1.21	1.33	1.33
23000	3.59	3.70	0.10	22.60	0.59	23000	1.08	1.21	1.21
24000	3.67	3.77	0.11	21.22	0.65	24000	1.26	1.11	1.12
25000	3.72	3.83	0.12	21.43	0.69	25000	1.33	1.08	1.11
26000	3.65	3.77	0.12	23.36	0.87	26000	1.22	1.03	1.05
27000	3.64	3.76	0.11	26.97	0.94	27000	1.14	1.10	1.10
28000	3.74	3.85	0.11	29.92	0.99	28000	1.31	1.26	1.24
29000	3.77	3.88	0.11	26.97	0.99	29000	1.33	1.34	1.31
30000	3.69	3.80	0.11	23.59	1.04	30000	1.14	1.28	1.26
31000	3.70	3.82	0.13	21.74	1.12	31000	1.13	1.17	1.18
32000	3.83	3.95	0.13	20.99	1.17	32000	1.37	1.15	1.17
33000	3.87	4.00	0.13	21.50	1.28	33000	1.41	1.15	1.18
34000	3.80	3.92	0.12	23.47	1.36	34000	1.26	1.06	1.09
35000	3.75	3.88	0.13	27.77	1.42	35000	1.09	1.08	1.05
36000	3.83	3.95	0.12	35.12	1.46	36000	1.22	1.20	1.18
37000	3.86	3.99	0.13	31.03	1.53	37000	1.25	1.23	1.22
38000	3.82	3.95	0.13	25.97	1.70	38000	1.14	1.18	1.12
39000	3.84	3.96	0.12	22.70	1.76	39000	1.16	1.08	1.01
40000	3.92	4.05	0.13	21.44	1.75	40000	1.31	1.04	1.10
41000	3.97	4.11	0.14	21.70	1.82	41000	1.39	1.13	1.13
42000	3.93	4.07	0.14	24.01	1.94	42000	1.31	1.12	1.12
43000	3.88	4.02	0.13	28.50	2.07	43000	1.15	1.05	1.06
44000	3.97	4.08	0.12	31.28	2.14	44000	1.27	1.24	1.17
45000	4.03	4.14	0.11	31.01	2.18	45000	1.33	1.33	1.23
46000	3.96	4.07	0.11	27.95	2.13	46000	1.15	1.24	1.15
47000	3.95	4.07	0.12	26.09	2.09	47000	1.12	1.12	1.10
48000	4.03	4.17	0.14	25.65	2.23	48000	1.30	1.15	1.18
49000	4.04	4.19	0.15	27.39	2.42	49000	1.24	1.15	1.15
50000	4.01	4.15	0.13	30.55	2.60	50000	1.11	1.13	1.08
52000	4.08	4.18	0.10	33.47	2.63	52000	1.09	1.18	1.09
54000	4.11	4.22	0.11	37.76	2.72	54000	1.08	1.11	1.03
56000	4.20	4.31	0.12	33.99	2.82	56000	1.14	1.16	1.18
58000	4.24	4.35	0.11	28.21	3.19	58000	1.04	1.12	1.08
60000	4.50	4.42	0.08	26.50	3.15	60000	1.13	1.11	1.03
62000	4.34	4.44	0.10	31.30	3.36	62000	1.03	1.07	1.07
64000	4.42	4.43	0.01	29.95	3.76	64000	1.09	1.23	1.17
65000	4.48	4.45	0.03	31.42	3.53	65000	1.15	1.30	1.22
66000	4.50	4.47	0.03	30.30	3.06	66000	1.24	1.32	1.25
67000	4.57	4.57	0.00	32.67	2.76	67000	1.19	1.24	1.19

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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Page 2 of 3

2 Way-0° Power Splitter/Combiner

ZC2PD-E18653+

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
15000	3.55	3.50	0.05	19.63	0.62	15000	1.06	1.31	1.31
16000	3.58	3.53	0.04	19.68	0.43	16000	1.11	1.21	1.20
17000	3.58	3.59	0.01	20.46	0.56	17000	1.12	1.09	1.11
18000	3.59	3.60	0.01	22.40	0.90	18000	1.03	1.13	1.15
19000	3.65	3.64	0.01	24.77	0.98	19000	1.15	1.14	1.16
20000	3.73	3.72	0.01	25.33	1.10	20000	1.30	1.20	1.21
21000	3.79	3.75	0.04	24.27	1.23	21000	1.33	1.33	1.33
22000	3.73	3.68	0.05	22.95	1.10	22000	1.18	1.36	1.34
23000	3.70	3.67	0.03	21.24	1.07	23000	1.11	1.26	1.24
24000	3.78	3.76	0.02	20.18	1.24	24000	1.29	1.14	1.11
25000	3.83	3.78	0.05	20.64	1.29	25000	1.33	1.09	1.06
26000	3.76	3.72	0.04	22.63	1.24	26000	1.19	1.03	1.03
27000	3.77	3.73	0.03	25.68	1.30	27000	1.17	1.09	1.12
28000	3.87	3.84	0.03	27.29	1.34	28000	1.34	1.22	1.27
29000	3.89	3.87	0.02	25.08	1.39	29000	1.31	1.30	1.34
30000	3.81	3.79	0.02	22.24	1.61	30000	1.11	1.28	1.28
31000	3.85	3.82	0.04	20.66	1.65	31000	1.18	1.22	1.18
32000	4.00	3.95	0.05	20.21	1.60	32000	1.40	1.20	1.13
33000	4.03	3.99	0.04	20.98	1.62	33000	1.41	1.18	1.11
34000	3.94	3.90	0.04	23.50	1.69	34000	1.23	1.09	1.02
35000	3.91	3.88	0.04	28.45	1.70	35000	1.09	1.06	1.10
36000	3.99	3.96	0.03	34.30	1.76	36000	1.25	1.20	1.21
37000	4.02	3.99	0.03	28.93	1.78	37000	1.26	1.23	1.22
38000	3.97	3.96	0.00	24.68	1.88	38000	1.12	1.12	1.13
39000	4.01	4.01	0.00	21.80	2.07	39000	1.20	1.04	1.03
40000	4.13	4.11	0.02	20.90	2.25	40000	1.36	1.12	1.05
41000	4.16	4.12	0.04	21.64	2.23	41000	1.37	1.12	1.08
42000	4.11	4.08	0.03	24.32	2.20	42000	1.28	1.09	1.06
43000	4.10	4.08	0.02	28.72	2.24	43000	1.19	1.09	1.10
44000	4.17	4.17	0.00	29.91	2.30	44000	1.32	1.16	1.26
45000	4.19	4.22	0.02	28.48	2.56	45000	1.34	1.19	1.29
46000	4.13	4.13	0.00	25.99	2.93	46000	1.13	1.12	1.16
47000	4.18	4.14	0.04	24.73	2.98	47000	1.17	1.08	1.09
48000	4.28	4.23	0.05	24.86	2.91	48000	1.35	1.17	1.16
49000	4.26	4.21	0.05	27.39	2.87	49000	1.22	1.16	1.11
50000	4.23	4.19	0.04	31.46	2.93	50000	1.03	1.08	1.13
52000	4.31	4.27	0.04	41.68	3.15	52000	1.15	1.15	1.14
54000	4.34	4.29	0.05	35.20	3.38	54000	1.06	1.07	1.04
56000	4.45	4.38	0.07	31.87	3.32	56000	1.11	1.22	1.23
58000	4.51	4.47	0.04	30.41	3.46	58000	1.10	1.19	1.23
60000	4.60	4.67	0.08	30.26	4.01	60000	1.10	1.04	1.10
62000	4.67	4.56	0.11	29.30	3.97	62000	1.09	1.16	1.14
64000	4.61	4.66	0.05	27.25	3.81	64000	1.04	1.14	1.35
65000	4.67	4.78	0.11	28.13	4.61	65000	1.20	1.20	1.49
66000	4.76	4.90	0.14	29.01	5.47	66000	1.39	1.24	1.57
67000	4.86	4.91	0.05	35.70	6.00	67000	1.30	1.21	1.39

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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Page 3 of 3