

# 2 Way-0° Power Splitter/Combiner

# ZC2PD-K0144+

## Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0 dBm @ Temperature = +25°C

FREQUENCY (MHz)	TOTAL LOSS <sup>1</sup> (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB)	PHASE UNBALANCE (Deg)	FREQUENCY (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
10	3.53	3.55	0.02	3.58	0.03	10	1.99	1.98	1.97
100	3.54	3.56	0.03	3.84	0.09	100	1.96	1.98	1.98
1000	3.21	3.23	0.02	33.76	0.04	1000	1.19	1.12	1.12
2000	3.26	3.30	0.04	23.70	0.02	2000	1.03	1.15	1.16
3000	3.33	3.38	0.05	21.47	0.19	3000	1.04	1.19	1.20
4000	3.40	3.45	0.05	36.46	0.17	4000	1.05	1.07	1.08
5000	3.46	3.51	0.05	26.71	0.33	5000	1.09	1.04	1.02
6000	3.52	3.58	0.05	26.42	0.42	6000	1.11	1.02	1.02
7000	3.57	3.63	0.06	36.01	0.53	7000	1.08	1.07	1.10
8000	3.62	3.67	0.05	27.43	0.55	8000	1.04	1.06	1.05
9000	3.67	3.72	0.05	29.32	0.61	9000	1.04	1.09	1.06
10000	3.72	3.77	0.06	37.48	0.76	10000	1.07	1.07	1.03
11000	3.76	3.83	0.07	29.59	0.81	11000	1.08	1.07	1.09
12000	3.81	3.87	0.06	45.92	0.92	12000	1.08	1.10	1.07
13000	3.86	3.92	0.06	39.73	0.99	13000	1.08	1.11	1.08
14000	3.91	3.97	0.06	33.79	1.10	14000	1.07	1.07	1.06
15000	3.95	4.02	0.07	38.47	1.16	15000	1.05	1.10	1.10
16000	4.00	4.07	0.07	47.92	1.28	16000	1.07	1.05	1.06
17000	4.06	4.13	0.07	36.56	1.44	17000	1.07	1.04	1.02
18000	4.10	4.16	0.07	43.81	1.54	18000	1.08	1.04	1.05
19000	4.14	4.20	0.06	32.18	1.60	19000	1.04	1.10	1.05
20000	4.18	4.25	0.06	37.61	1.72	20000	1.02	1.09	1.02
21000	4.25	4.31	0.06	42.71	1.83	21000	1.03	1.08	1.04
22000	4.29	4.35	0.06	38.78	1.87	22000	1.05	1.09	1.04
23000	4.35	4.40	0.05	34.89	2.03	23000	1.09	1.13	1.04
24000	4.40	4.45	0.05	34.01	2.17	24000	1.11	1.18	1.10
25000	4.45	4.51	0.06	31.60	2.21	25000	1.15	1.16	1.08
26000	4.49	4.54	0.05	39.32	2.19	26000	1.14	1.20	1.10
27000	4.54	4.59	0.05	33.02	2.33	27000	1.14	1.17	1.05
28000	4.57	4.62	0.04	31.17	2.50	28000	1.12	1.20	1.08
29000	4.64	4.70	0.05	33.80	2.55	29000	1.19	1.22	1.10
30000	4.71	4.76	0.05	41.90	2.48	30000	1.18	1.29	1.17
31000	4.72	4.80	0.07	33.82	2.57	31000	1.21	1.25	1.13
32000	4.75	4.83	0.08	32.09	2.86	32000	1.18	1.20	1.08
33000	4.80	4.88	0.08	33.35	2.95	33000	1.19	1.20	1.10
34000	4.86	4.94	0.08	35.52	3.11	34000	1.17	1.20	1.08
35000	4.90	4.98	0.08	42.58	3.20	35000	1.15	1.21	1.09
36000	4.95	5.04	0.08	35.31	3.47	36000	1.13	1.14	1.05
37000	5.02	5.11	0.08	36.81	3.69	37000	1.14	1.13	1.06
38000	5.04	5.12	0.08	38.31	3.90	38000	1.15	1.14	1.06
39000	5.12	5.19	0.07	31.37	4.07	39000	1.13	1.19	1.07
40000	5.11	5.20	0.09	30.03	4.13	40000	1.09	1.13	1.06
41000	5.15	5.24	0.09	31.82	4.41	41000	1.05	1.13	1.09
42000	5.19	5.26	0.07	31.87	4.68	42000	1.04	1.09	1.05
43000	5.23	5.30	0.07	37.89	4.94	43000	1.02	1.08	1.05
43500	5.33	5.38	0.06	33.73	4.91	43500	1.19	1.20	1.09

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss



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# 2 Way-0° Power Splitter/Combiner

# ZC2PD-K0144+

## Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = -55°C

FREQUENCY (MHz)	TOTAL LOSS <sup>1</sup> (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB) 1-2	PHASE UNBALANCE (Deg)	FREQUENCY (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
10	3.51	3.57	0.05	3.58	0.11	10	1.98	1.98	1.97
100	3.53	3.58	0.06	3.83	0.23	100	1.95	1.98	1.97
1000	3.21	3.25	0.04	35.55	0.04	1000	1.20	1.13	1.14
2000	3.27	3.31	0.04	24.39	0.14	2000	1.05	1.16	1.17
3000	3.32	3.39	0.07	21.70	0.22	3000	1.06	1.20	1.21
4000	3.39	3.45	0.07	37.82	0.27	4000	1.07	1.07	1.08
5000	3.44	3.50	0.06	26.21	0.44	5000	1.11	1.04	1.02
6000	3.50	3.57	0.06	25.68	0.54	6000	1.13	1.00	1.02
7000	3.55	3.61	0.06	35.41	0.64	7000	1.11	1.08	1.11
8000	3.58	3.64	0.06	27.33	0.66	8000	1.06	1.05	1.05
9000	3.63	3.68	0.05	28.60	0.70	9000	1.06	1.07	1.05
10000	3.67	3.73	0.06	34.93	0.85	10000	1.07	1.05	1.02
11000	3.71	3.78	0.07	30.73	0.90	11000	1.08	1.08	1.10
12000	3.76	3.82	0.06	44.72	0.99	12000	1.09	1.09	1.07
13000	3.81	3.87	0.06	37.99	1.07	13000	1.08	1.10	1.06
14000	3.85	3.92	0.07	31.65	1.19	14000	1.09	1.06	1.06
15000	3.89	3.96	0.07	42.96	1.28	15000	1.07	1.11	1.11
16000	3.94	4.01	0.07	47.31	1.38	16000	1.07	1.06	1.07
17000	3.99	4.06	0.07	36.62	1.63	17000	1.06	1.03	1.03
18000	4.01	4.08	0.07	36.54	1.64	18000	1.06	1.04	1.06
19000	4.05	4.12	0.07	35.21	1.69	19000	1.03	1.08	1.03
20000	4.10	4.17	0.07	37.56	1.79	20000	1.01	1.07	1.01
21000	4.14	4.21	0.07	42.37	1.93	21000	1.02	1.07	1.04
22000	4.19	4.26	0.07	34.05	1.93	22000	1.01	1.07	1.03
23000	4.29	4.37	0.08	45.30	2.11	23000	1.05	1.10	1.02
24000	4.28	4.34	0.07	37.36	2.32	24000	1.07	1.14	1.06
25000	4.32	4.39	0.07	34.48	2.35	25000	1.08	1.11	1.04
26000	4.34	4.41	0.06	42.13	2.30	26000	1.06	1.14	1.07
27000	4.40	4.46	0.06	38.75	2.49	27000	1.06	1.11	1.05
28000	4.44	4.49	0.06	31.44	2.58	28000	1.05	1.14	1.02
29000	4.47	4.55	0.07	39.07	2.67	29000	1.08	1.15	1.03
30000	4.54	4.61	0.07	34.08	2.50	30000	1.06	1.21	1.09
31000	4.57	4.68	0.11	37.70	2.68	31000	1.09	1.17	1.09
32000	4.58	4.68	0.10	38.33	2.94	32000	1.08	1.13	1.02
33000	4.62	4.73	0.11	38.56	3.08	33000	1.10	1.12	1.05
34000	4.69	4.80	0.11	40.17	3.27	34000	1.08	1.13	1.03
35000	4.72	4.83	0.11	38.21	3.43	35000	1.04	1.13	1.06
36000	4.76	4.89	0.13	39.47	3.58	36000	1.03	1.06	1.04
37000	4.90	5.01	0.11	37.81	3.73	37000	1.08	1.06	1.06
38000	4.90	5.00	0.09	45.39	4.10	38000	1.09	1.07	1.02
39000	4.92	5.04	0.12	32.14	4.25	39000	1.11	1.15	1.02
40000	4.96	5.09	0.12	32.91	4.18	40000	1.06	1.10	1.06
41000	4.95	5.09	0.14	32.74	4.47	41000	1.03	1.11	1.11
42000	4.97	5.10	0.13	32.36	4.79	42000	1.05	1.11	1.08
43000	5.01	5.13	0.12	45.99	5.07	43000	1.05	1.08	1.09
43500	5.05	5.18	0.13	35.58	5.02	43500	1.13	1.17	1.12

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss



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# 2 Way-0° Power Splitter/Combiner

# ZC2PD-K0144+

## Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = +100°C

FREQUENCY (MHz)	TOTAL LOSS <sup>1</sup> (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB) 1-2	PHASE UNBALANCE (Deg)	FREQUENCY (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
10	3.51	3.54	0.04	3.59	0.05	10	2.00	1.99	1.97
100	3.52	3.55	0.03	3.82	0.19	100	1.97	2.00	1.99
1000	3.21	3.21	0.00	26.80	0.09	1000	1.19	1.23	1.23
2000	3.28	3.27	0.01	21.93	0.20	2000	1.02	1.19	1.18
3000	3.35	3.35	0.01	19.89	0.05	3000	1.03	1.23	1.22
4000	3.43	3.42	0.00	44.73	0.09	4000	1.05	1.06	1.04
5000	3.48	3.49	0.01	25.45	0.10	5000	1.09	1.02	1.04
6000	3.55	3.55	0.01	24.85	0.05	6000	1.10	1.04	1.05
7000	3.60	3.60	0.00	34.15	0.10	7000	1.07	1.08	1.05
8000	3.65	3.66	0.01	26.21	0.22	8000	1.03	1.06	1.08
9000	3.70	3.72	0.02	27.85	0.22	9000	1.04	1.06	1.10
10000	3.76	3.77	0.01	37.73	0.18	10000	1.06	1.03	1.07
11000	3.83	3.81	0.01	29.27	0.25	11000	1.08	1.09	1.08
12000	3.87	3.87	0.00	41.78	0.25	12000	1.07	1.08	1.10
13000	3.92	3.93	0.01	40.61	0.25	13000	1.06	1.07	1.11
14000	3.98	3.98	0.00	35.12	0.23	14000	1.05	1.06	1.05
15000	4.03	4.03	0.01	36.11	0.31	15000	1.05	1.10	1.09
16000	4.09	4.09	0.00	45.16	0.29	16000	1.07	1.05	1.03
17000	4.14	4.15	0.00	36.66	0.26	17000	1.09	1.03	1.04
18000	4.20	4.20	0.00	43.74	0.27	18000	1.10	1.06	1.05
19000	4.24	4.25	0.02	31.53	0.41	19000	1.07	1.04	1.07
20000	4.28	4.29	0.01	38.25	0.43	20000	1.04	1.02	1.06
21000	4.33	4.35	0.01	40.26	0.37	21000	1.01	1.03	1.04
22000	4.39	4.41	0.02	39.79	0.45	22000	1.04	1.04	1.07
23000	4.44	4.46	0.02	33.87	0.50	23000	1.08	1.04	1.10
24000	4.50	4.53	0.03	32.72	0.55	24000	1.10	1.09	1.15
25000	4.55	4.57	0.02	31.51	0.61	25000	1.13	1.07	1.13
26000	4.59	4.61	0.02	39.16	0.71	26000	1.12	1.10	1.15
27000	4.64	4.66	0.02	33.47	0.70	27000	1.13	1.05	1.13
28000	4.68	4.71	0.03	32.18	0.75	28000	1.11	1.07	1.15
29000	4.77	4.78	0.01	33.82	0.93	29000	1.18	1.09	1.19
30000	4.82	4.85	0.03	40.53	1.06	30000	1.16	1.16	1.23
31000	4.88	4.88	0.00	33.07	1.05	31000	1.18	1.12	1.20
32000	4.91	4.91	0.01	31.93	0.95	32000	1.15	1.06	1.13
33000	4.97	4.96	0.01	33.04	1.13	33000	1.16	1.10	1.16
34000	5.01	5.01	0.01	37.72	1.06	34000	1.14	1.07	1.13
35000	5.08	5.07	0.00	40.87	1.14	35000	1.12	1.08	1.14
36000	5.12	5.11	0.02	36.85	1.13	36000	1.11	1.03	1.09
37000	5.18	5.17	0.01	33.87	1.26	37000	1.13	1.05	1.09
38000	5.23	5.22	0.01	37.55	1.14	38000	1.14	1.04	1.05
39000	5.32	5.30	0.02	30.39	1.05	39000	1.11	1.07	1.09
40000	5.30	5.28	0.01	29.95	1.19	40000	1.05	1.07	1.10
41000	5.34	5.33	0.01	31.81	1.27	41000	1.01	1.10	1.14
42000	5.38	5.37	0.01	32.89	1.35	42000	1.01	1.08	1.12
43000	5.44	5.41	0.02	35.63	1.19	43000	1.03	1.07	1.07
43500	5.51	5.50	0.01	33.86	1.24	43500	1.17	1.09	1.17

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss



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