

# 2 Way-0° Power Splitter/Combiner

# ZC2PD-V1854+

## 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) 1-2	PHASE UNBALANCE (Deg)	FREQUENCY (MHz)	VSWR		
	S-1	S-2					S	(:1) 1	2
15000	3.40	3.45	0.05	22.72	0.14	15000	1.04	1.17	1.19
16000	3.49	3.54	0.05	20.83	0.14	16000	1.20	1.02	1.02
17000	3.44	3.50	0.05	25.95	0.12	17000	1.07	1.07	1.04
18000	3.51	3.56	0.05	34.76	0.11	18000	1.14	1.13	1.11
19000	3.54	3.60	0.06	26.58	0.11	19000	1.12	1.26	1.24
20000	3.63	3.69	0.06	27.26	0.13	20000	1.32	1.35	1.34
21000	3.53	3.60	0.07	21.50	0.11	21000	1.32	1.32	1.33
22000	3.60	3.68	0.09	20.29	0.20	22000	1.23	1.24	1.27
23000	3.57	3.65	0.08	27.79	0.27	23000	1.10	1.13	1.16
24000	3.59	3.67	0.09	24.31	0.30	24000	1.20	1.07	1.09
25000	3.64	3.72	0.08	20.27	0.31	25000	1.22	1.05	1.05
26000	3.55	3.64	0.09	24.37	0.33	26000	1.06	1.07	1.04
27000	3.60	3.69	0.09	24.66	0.33	27000	1.25	1.12	1.10
28000	3.68	3.79	0.11	21.52	0.32	28000	1.14	1.24	1.27
29000	3.71	3.82	0.11	29.54	0.45	29000	1.22	1.29	1.33
30000	3.63	3.74	0.12	25.19	0.55	30000	1.19	1.21	1.26
31000	3.75	3.86	0.11	20.81	0.65	31000	1.24	1.13	1.19
32000	3.76	3.87	0.11	26.58	0.65	32000	1.23	1.14	1.17
33000	3.74	3.85	0.11	27.99	0.72	33000	1.21	1.06	1.09
34000	3.77	3.89	0.11	21.77	0.71	34000	1.18	1.06	1.06
35000	3.76	3.87	0.11	23.73	0.74	35000	1.03	1.13	1.15
36000	3.76	3.88	0.11	29.09	0.85	36000	1.06	1.14	1.15
37000	3.76	3.88	0.12	37.67	0.89	37000	1.13	1.13	1.15
38000	3.80	3.92	0.12	30.25	0.92	38000	1.18	1.12	1.12
39000	3.82	3.95	0.12	25.06	1.02	39000	1.07	1.14	1.13
40000	3.86	3.99	0.13	28.15	1.19	40000	1.14	1.09	1.07
41000	3.92	4.04	0.12	26.02	1.30	41000	1.20	1.03	1.08
42000	4.03	4.12	0.09	22.46	1.47	42000	1.32	1.09	1.11
43000	3.98	4.05	0.08	27.51	1.43	43000	1.14	1.03	1.03
44000	4.10	4.15	0.05	33.66	1.43	44000	1.36	1.20	1.21
45000	4.12	4.17	0.05	24.56	1.42	45000	1.18	1.29	1.29
46000	4.10	4.14	0.04	25.48	1.36	46000	1.23	1.14	1.20
47000	4.04	4.07	0.03	25.47	1.40	47000	1.06	1.03	1.06
48000	4.14	4.14	0.00	23.84	1.32	48000	1.18	1.13	1.08
49000	4.14	4.13	0.01	27.27	1.28	49000	1.11	1.09	1.06
50000	4.16	4.16	0.00	27.94	1.11	50000	1.05	1.09	1.06
51000	4.23	4.23	0.01	22.55	1.03	51000	1.23	1.11	1.12
52000	4.20	4.22	0.02	21.70	1.04	52000	1.24	1.15	1.15

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



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# 2 Way-0° Power Splitter/Combiner

# ZC2PD-V1854+

## 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
15000	3.42	3.49	0.07	22.73	0.51	15000	1.06	1.19	1.19
16000	3.52	3.58	0.06	20.89	0.57	16000	1.17	1.04	1.03
17000	3.48	3.54	0.06	26.34	0.59	17000	1.06	1.07	1.05
18000	3.53	3.60	0.07	32.61	0.60	18000	1.13	1.12	1.10
19000	3.55	3.63	0.09	25.70	0.66	19000	1.07	1.22	1.22
20000	3.63	3.72	0.09	27.20	0.79	20000	1.26	1.31	1.31
21000	3.58	3.66	0.09	21.97	0.81	21000	1.30	1.29	1.30
22000	3.65	3.75	0.09	20.80	0.98	22000	1.21	1.23	1.25
23000	3.62	3.70	0.08	29.40	1.05	23000	1.09	1.13	1.15
24000	3.63	3.71	0.09	24.18	1.05	24000	1.18	1.09	1.08
25000	3.73	3.81	0.08	20.46	1.22	25000	1.22	1.06	1.04
26000	3.68	3.74	0.06	25.29	1.25	26000	1.07	1.08	1.05
27000	3.69	3.76	0.07	24.61	1.07	27000	1.21	1.10	1.08
28000	3.77	3.86	0.09	21.42	1.24	28000	1.12	1.22	1.25
29000	3.79	3.88	0.09	29.06	1.32	29000	1.24	1.27	1.31
30000	3.72	3.81	0.09	25.20	1.39	30000	1.23	1.22	1.25
31000	3.82	3.92	0.10	21.29	1.56	31000	1.19	1.11	1.15
32000	3.89	3.95	0.06	27.93	1.75	32000	1.18	1.09	1.14
33000	3.83	3.90	0.07	26.69	1.62	33000	1.20	1.07	1.08
34000	3.89	3.97	0.08	21.28	1.76	34000	1.21	1.06	1.07
35000	3.90	3.96	0.06	23.09	1.88	35000	1.09	1.10	1.14
36000	3.89	3.93	0.05	28.33	1.70	36000	1.06	1.12	1.14
37000	3.90	3.95	0.05	38.18	1.72	37000	1.16	1.11	1.13
38000	3.94	4.01	0.07	31.20	1.77	38000	1.23	1.17	1.14
39000	3.97	4.05	0.08	26.00	1.76	39000	1.13	1.19	1.17
40000	4.01	4.09	0.08	28.85	1.90	40000	1.16	1.11	1.08
41000	4.07	4.15	0.08	24.65	1.96	41000	1.24	1.06	1.10
42000	4.16	4.23	0.07	21.89	2.02	42000	1.40	1.13	1.16
43000	4.05	4.13	0.08	26.82	1.99	43000	1.18	1.03	1.05
44000	4.16	4.24	0.08	33.85	2.05	44000	1.34	1.18	1.19
45000	4.19	4.26	0.07	24.60	2.11	45000	1.21	1.29	1.30
46000	4.18	4.25	0.08	24.88	2.13	46000	1.28	1.16	1.19
47000	4.08	4.16	0.08	23.97	2.17	47000	1.09	1.05	1.02
48000	4.16	4.23	0.08	22.93	2.33	48000	1.17	1.11	1.08
49000	4.20	4.28	0.08	26.38	2.38	49000	1.15	1.07	1.04
50000	4.23	4.29	0.06	26.05	2.42	50000	1.15	1.04	1.06
51000	4.30	4.35	0.06	21.42	2.49	51000	1.34	1.15	1.15
52000	4.21	4.28	0.07	20.80	2.49	52000	1.22	1.19	1.18

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



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# 2 Way-0° Power Splitter/Combiner

# ZC2PD-V1854+

## 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
15000	3.41	3.43	0.02	22.25	0.24	15000	1.05	1.18	1.19
16000	3.50	3.53	0.02	20.62	0.25	16000	1.20	1.03	1.03
17000	3.46	3.48	0.02	25.50	0.26	17000	1.06	1.09	1.07
18000	3.53	3.56	0.03	37.94	0.30	18000	1.14	1.13	1.11
19000	3.56	3.59	0.03	27.69	0.32	19000	1.12	1.24	1.22
20000	3.66	3.69	0.03	26.73	0.36	20000	1.31	1.34	1.34
21000	3.55	3.59	0.04	21.05	0.36	21000	1.32	1.34	1.35
22000	3.62	3.67	0.05	20.12	0.46	22000	1.24	1.26	1.29
23000	3.59	3.64	0.04	27.35	0.53	23000	1.10	1.14	1.17
24000	3.61	3.65	0.04	24.46	0.57	24000	1.20	1.06	1.09
25000	3.66	3.70	0.04	20.45	0.58	25000	1.22	1.04	1.03
26000	3.58	3.62	0.04	24.37	0.61	26000	1.07	1.06	1.03
27000	3.62	3.66	0.04	24.45	0.59	27000	1.25	1.13	1.12
28000	3.70	3.75	0.06	21.59	0.63	28000	1.14	1.24	1.26
29000	3.73	3.79	0.06	29.86	0.75	29000	1.21	1.30	1.35
30000	3.64	3.70	0.06	25.37	0.86	30000	1.20	1.20	1.25
31000	3.76	3.81	0.05	20.94	0.96	31000	1.25	1.14	1.19
32000	3.77	3.81	0.04	26.69	0.99	32000	1.22	1.13	1.17
33000	3.76	3.80	0.04	28.52	1.06	33000	1.20	1.07	1.10
34000	3.78	3.81	0.03	22.05	1.03	34000	1.17	1.05	1.06
35000	3.77	3.80	0.03	23.90	1.13	35000	1.04	1.15	1.17
36000	3.77	3.79	0.02	28.95	1.13	36000	1.06	1.13	1.15
37000	3.77	3.78	0.01	37.10	1.23	37000	1.13	1.15	1.17
38000	3.80	3.81	0.01	30.64	1.18	38000	1.20	1.12	1.13
39000	3.82	3.82	0.00	25.35	1.23	39000	1.07	1.14	1.13
40000	3.86	3.86	0.00	28.52	1.26	40000	1.14	1.11	1.08
41000	3.91	3.90	0.01	26.14	1.26	41000	1.20	1.04	1.08
42000	4.03	4.01	0.02	22.62	1.38	42000	1.32	1.07	1.10
43000	3.97	3.94	0.03	27.88	1.20	43000	1.14	1.06	1.07
44000	4.10	4.04	0.06	32.96	1.16	44000	1.35	1.21	1.22
45000	4.12	4.08	0.04	24.52	1.11	45000	1.19	1.27	1.29
46000	4.08	4.04	0.04	25.55	0.98	46000	1.21	1.15	1.21
47000	4.02	4.00	0.03	25.69	1.01	47000	1.05	1.06	1.09
48000	4.09	4.05	0.04	24.18	1.02	48000	1.18	1.14	1.09
49000	4.08	4.05	0.03	27.68	0.95	49000	1.11	1.11	1.08
50000	4.10	4.09	0.01	27.90	0.96	50000	1.04	1.14	1.10
51000	4.18	4.17	0.01	22.74	1.03	51000	1.21	1.13	1.14
52000	4.16	4.16	0.00	21.97	1.08	52000	1.26	1.17	1.20

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



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