

16 Way-0° Power Splitter/Combiner

ZC16PD-K1844+

Typical Performance Data

Data tested at 25DegC

FREQ. (MHz)	TOTAL LOSS ¹ (dB)						AMP. UNBAL. (dB)	ISOLATION (dB)				PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-5	S-8	S-9	S-13	S-16		1-2	5-7	9-11	13-16			S	1	16
16000	14.11	13.97	13.99	14.10	14.00	13.97	0.15	20.65	31.76	35.73	30.72	1.95	16000	1.13	1.27	1.21
16500	14.16	14.11	14.14	14.14	14.10	14.08	0.11	36.27	33.90	32.26	34.42	2.02	16500	1.14	1.27	1.27
17000	14.16	14.08	14.10	14.16	14.08	14.05	0.12	29.12	28.73	28.04	28.60	2.26	17000	1.12	1.13	1.20
17500	14.22	14.18	14.19	14.21	14.19	14.16	0.09	30.17	23.76	24.09	23.56	1.80	17500	1.22	1.12	1.20
18000	14.24	14.19	14.22	14.23	14.23	14.20	0.10	22.69	29.91	30.63	29.03	1.90	18000	1.07	1.03	1.07
18500	14.32	14.31	14.31	14.31	14.30	14.27	0.13	24.64	35.49	40.30	34.70	2.76	18500	1.25	1.21	1.22
19000	14.34	14.34	14.34	14.32	14.32	14.29	0.13	33.18	27.53	26.01	26.39	2.28	19000	1.18	1.21	1.31
19500	14.43	14.37	14.37	14.39	14.39	14.37	0.11	26.79	29.55	27.62	28.04	2.01	19500	1.20	1.24	1.33
20000	14.56	14.52	14.55	14.54	14.58	14.55	0.12	21.71	30.46	29.12	29.23	3.06	20000	1.30	1.20	1.25
20500	14.53	14.43	14.46	14.49	14.46	14.43	0.11	23.73	40.21	35.76	35.91	2.83	20500	1.11	1.26	1.32
21000	14.69	14.55	14.59	14.63	14.62	14.60	0.14	27.16	37.01	33.93	33.95	2.61	21000	1.19	1.36	1.43
21500	14.70	14.55	14.59	14.65	14.66	14.63	0.16	25.63	32.91	30.18	30.93	2.58	21500	1.15	1.37	1.40
22000	14.73	14.63	14.67	14.68	14.70	14.67	0.12	28.05	38.93	35.79	38.77	2.55	22000	1.17	1.36	1.35
22500	14.69	14.60	14.64	14.66	14.68	14.65	0.14	23.66	49.66	39.26	46.35	2.39	22500	1.07	1.24	1.24
23000	14.71	14.70	14.72	14.69	14.73	14.71	0.14	22.56	37.35	47.82	41.44	2.73	23000	1.09	1.20	1.19
23500	14.77	14.69	14.68	14.75	14.75	14.72	0.16	23.79	31.81	36.88	34.42	3.49	23500	1.07	1.18	1.12
24000	14.88	14.74	14.77	14.84	14.82	14.79	0.18	23.45	31.44	35.58	32.42	3.32	24000	1.08	1.16	1.06
24500	14.99	14.88	14.94	14.97	14.93	14.91	0.15	27.88	37.99	43.51	37.88	3.08	24500	1.27	1.15	1.03
25000	15.00	14.89	14.91	14.97	14.96	14.93	0.14	35.75	33.65	35.68	33.34	3.65	25000	1.20	1.07	1.07
25500	15.04	14.94	14.97	15.04	15.03	15.00	0.17	30.13	27.96	28.65	28.54	2.96	25500	1.19	1.05	1.11
26000	15.03	14.93	14.97	15.01	15.01	14.98	0.16	24.59	31.54	32.65	32.64	2.88	26000	1.09	1.02	1.12
26500	15.12	15.04	15.09	15.12	15.20	15.17	0.24	25.60	34.04	36.11	34.44	3.27	26500	1.23	1.13	1.14
27000	15.09	15.00	15.04	15.07	15.11	15.08	0.18	34.75	30.61	29.77	30.01	3.29	27000	1.13	1.19	1.26
27500	15.21	15.12	15.16	15.19	15.19	15.17	0.19	29.28	29.89	30.41	30.19	2.99	27500	1.11	1.20	1.28
28000	15.30	15.20	15.26	15.29	15.36	15.33	0.26	27.17	30.37	31.39	30.80	3.58	28000	1.24	1.22	1.28
28500	15.33	15.17	15.24	15.31	15.32	15.29	0.25	25.30	36.35	34.81	35.67	3.40	28500	1.07	1.23	1.28
29000	15.35	15.27	15.35	15.35	15.38	15.36	0.22	29.82	38.72	32.95	33.14	3.23	29000	1.07	1.31	1.31
29500	15.35	15.25	15.33	15.34	15.42	15.39	0.30	27.71	32.63	30.51	30.64	3.67	29500	1.05	1.26	1.25
30000	15.33	15.30	15.39	15.32	15.43	15.41	0.27	26.01	45.16	39.93	40.28	3.26	30000	1.04	1.21	1.17
31000	15.48	15.41	15.51	15.50	15.58	15.55	0.34	25.55	36.83	35.41	36.54	3.72	31000	1.11	1.17	1.10
32000	15.70	15.49	15.62	15.73	15.75	15.72	0.39	27.74	46.93	48.03	49.46	3.36	32000	1.20	1.14	1.02
33000	15.76	15.59	15.73	15.79	15.88	15.86	0.44	25.89	39.62	45.46	40.45	3.86	33000	1.22	1.06	1.10
34000	15.77	15.72	15.90	15.75	16.01	15.99	0.49	23.70	38.29	40.76	41.81	3.60	34000	1.07	1.08	1.05
35000	15.91	15.77	15.97	15.91	16.10	16.08	0.53	29.04	33.11	32.83	33.14	3.50	35000	1.02	1.08	1.13
36000	16.13	15.86	16.09	16.13	16.26	16.23	0.59	24.41	35.71	35.54	34.65	4.22	36000	1.08	1.14	1.09
37000	16.15	16.02	16.27	16.18	16.42	16.39	0.54	27.84	37.89	35.82	34.90	3.63	37000	1.06	1.22	1.10
38000	16.15	16.02	16.30	16.26	16.47	16.44	0.47	33.15	37.61	38.77	38.66	3.50	38000	1.12	1.26	1.11
39000	16.28	16.06	16.36	16.46	16.52	16.49	0.46	28.43	35.11	33.52	33.89	4.67	39000	1.06	1.18	1.06
40000	16.48	16.21	16.60	16.64	16.60	16.58	0.43	39.57	35.09	34.08	34.31	4.92	40000	1.13	1.19	1.11
43500	17.02	16.54	17.07	17.38	16.98	16.95	0.84	32.15	32.30	35.22	32.89	5.56	43500	1.34	1.17	1.14

¹Total Loss = Insertion Loss + 12dB Splitter Loss



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16 Way-0° Power Splitter/Combiner

ZC16PD-K1844+

Typical Performance Data

Data tested at -55DegC

FREQ. (MHz)	TOTAL LOSS ¹ (dB)						AMP. UNBAL. (dB)	ISOLATION (dB)				PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-5	S-8	S-9	S-13	S-16		1-2	5-7	9-11	13-16			S	1	16
16000	13.94	13.99	14.02	14.10	14.06	14.04	0.17	21.03	32.84	44.91	30.98	1.05	16000	1.20	1.29	1.23
16500	14.01	14.10	14.11	14.09	14.10	14.08	0.11	39.87	33.16	41.72	34.42	0.98	16500	1.07	1.25	1.26
17000	14.02	14.10	14.13	14.14	14.12	14.10	0.14	28.69	28.23	38.09	28.52	1.03	17000	1.10	1.11	1.19
17500	14.16	14.12	14.17	14.21	14.20	14.18	0.11	28.61	23.92	34.66	23.52	1.09	17500	1.25	1.11	1.20
18000	14.11	14.23	14.23	14.21	14.26	14.25	0.20	23.08	29.91	40.92	29.05	1.10	18000	1.02	1.04	1.06
18500	14.23	14.31	14.32	14.34	14.32	14.31	0.14	25.16	38.92	55.14	35.30	1.12	18500	1.29	1.22	1.25
19000	14.26	14.24	14.28	14.29	14.30	14.28	0.13	34.33	27.32	36.46	26.31	1.35	19000	1.07	1.19	1.30
19500	14.23	14.40	14.39	14.36	14.39	14.38	0.21	26.84	29.14	37.67	27.89	1.21	19500	1.11	1.21	1.32
20000	14.44	14.46	14.52	14.51	14.56	14.54	0.17	21.48	31.53	39.52	29.43	1.09	20000	1.24	1.15	1.22
20500	14.36	14.41	14.45	14.47	14.46	14.45	0.16	24.43	39.62	45.82	35.94	1.16	20500	1.07	1.26	1.33
21000	14.47	14.53	14.58	14.62	14.62	14.60	0.19	27.43	36.24	43.80	33.86	1.18	21000	1.15	1.34	1.43
21500	14.55	14.59	14.60	14.63	14.68	14.66	0.17	26.35	33.17	39.98	30.69	1.20	21500	1.14	1.37	1.42
22000	14.62	14.62	14.66	14.67	14.69	14.68	0.13	27.82	38.74	45.95	39.07	1.18	22000	1.20	1.34	1.36
22500	14.60	14.62	14.65	14.66	14.69	14.67	0.15	23.13	45.56	50.24	45.75	1.20	22500	1.13	1.22	1.24
23000	14.66	14.70	14.70	14.70	14.73	14.71	0.15	22.56	37.91	58.28	42.46	1.22	23000	1.17	1.20	1.20
23500	14.69	14.73	14.70	14.75	14.75	14.73	0.14	23.64	32.01	47.30	34.11	1.26	23500	1.16	1.16	1.13
24000	14.78	14.71	14.75	14.89	14.83	14.81	0.20	23.38	31.16	46.20	32.04	1.30	24000	1.24	1.15	1.08
24500	14.81	14.80	14.84	14.88	14.86	14.85	0.17	29.76	38.93	52.41	38.22	1.35	24500	1.18	1.14	1.03
25000	14.76	14.88	14.86	14.89	14.88	14.87	0.19	34.94	34.38	47.84	33.51	1.41	25000	1.09	1.06	1.06
25500	14.88	14.80	14.85	14.96	14.94	14.92	0.20	30.87	27.73	39.52	28.07	1.44	25500	1.11	1.05	1.12
26000	14.86	14.91	14.93	14.97	14.98	14.97	0.22	25.17	31.21	42.64	32.40	1.45	26000	1.07	1.03	1.12
26500	14.96	14.99	14.99	15.02	15.09	15.07	0.20	26.79	36.82	49.51	35.03	1.48	26500	1.16	1.15	1.15
27000	14.99	14.95	14.97	15.03	15.03	15.01	0.15	34.37	30.43	40.74	29.68	1.48	27000	1.06	1.17	1.26
27500	15.02	15.07	15.09	15.10	15.12	15.11	0.20	29.58	29.20	40.44	29.75	1.50	27500	1.04	1.19	1.29
28000	15.10	15.13	15.14	15.21	15.25	15.24	0.23	26.31	31.36	43.26	31.06	1.53	28000	1.18	1.19	1.28
28500	15.14	15.13	15.15	15.26	15.24	15.22	0.19	25.94	36.92	46.54	35.62	1.55	28500	1.06	1.24	1.31
29000	15.21	15.21	15.24	15.29	15.29	15.28	0.22	31.12	38.16	42.38	32.81	1.60	29000	1.07	1.29	1.34
29500	15.23	15.23	15.24	15.29	15.34	15.33	0.26	28.37	32.89	39.57	30.73	1.64	29500	1.12	1.26	1.30
30000	15.22	15.25	15.26	15.27	15.33	15.31	0.31	25.42	43.26	47.19	40.80	1.75	30000	1.12	1.19	1.19
31000	15.29	15.35	15.36	15.43	15.45	15.44	0.30	25.41	38.18	45.45	36.48	1.86	31000	1.13	1.16	1.13
32000	15.36	15.39	15.44	15.59	15.53	15.52	0.27	28.72	46.19	56.68	49.00	1.95	32000	1.08	1.13	1.02
33000	15.45	15.49	15.53	15.65	15.64	15.64	0.30	25.67	40.07	66.41	40.37	2.04	33000	1.09	1.07	1.10
34000	15.62	15.68	15.73	15.66	15.77	15.76	0.35	24.44	37.04	53.30	41.55	2.14	34000	1.06	1.07	1.06
35000	15.73	15.68	15.77	15.81	15.84	15.82	0.29	29.06	33.56	42.63	33.31	2.24	35000	1.10	1.09	1.15
36000	15.76	15.76	15.81	15.95	15.90	15.89	0.30	24.19	36.14	45.12	34.35	2.31	36000	1.08	1.13	1.15
37000	15.87	15.96	16.02	15.96	16.06	16.05	0.44	29.60	38.96	45.66	35.47	2.37	37000	1.12	1.26	1.18
38000	15.97	15.96	16.03	15.99	16.12	16.11	0.39	31.63	35.62	48.63	37.84	2.36	38000	1.12	1.25	1.18
39000	16.03	16.07	16.08	16.22	16.21	16.19	0.35	28.25	36.70	42.70	34.14	2.54	39000	1.15	1.18	1.07
40000	16.12	16.12	16.20	16.29	16.35	16.34	0.46	44.58	34.64	41.94	33.89	2.58	40000	1.10	1.16	1.10
43500	16.54	16.45	16.56	16.70	16.84	16.83	0.71	30.28	34.74	43.04	33.27	3.06	43500	1.40	1.19	1.15

¹Total Loss = Insertion Loss + 12dB Splitter Loss



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16 Way-0° Power Splitter/Combiner

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Typical Performance Data

Data tested at 100DegC

FREQ. (MHz)	TOTAL LOSS ¹ (dB)						AMP. UNBAL. (dB)	ISOLATION (dB)				PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-5	S-8	S-9	S-13	S-16		1-2	5-7	9-11	13-16			S	1	16
16000	13.99	14.03	14.02	14.06	14.01	13.97	0.16	20.58	31.67	35.67	30.74	4.09	16000	1.09	1.25	1.20
16500	14.17	14.18	14.18	14.19	14.12	14.08	0.15	34.30	34.53	32.52	34.77	3.96	16500	1.18	1.27	1.27
17000	14.11	14.16	14.13	14.19	14.08	14.03	0.21	30.05	28.94	28.38	28.62	4.16	17000	1.11	1.14	1.21
17500	14.24	14.18	14.18	14.19	14.17	14.14	0.18	31.65	23.49	23.93	23.24	4.57	17500	1.19	1.12	1.21
18000	14.27	14.30	14.29	14.34	14.26	14.21	0.16	22.77	30.12	30.91	29.16	5.15	18000	1.13	1.02	1.08
18500	14.34	14.37	14.33	14.33	14.30	14.26	0.21	24.23	34.78	40.06	34.48	5.05	18500	1.23	1.18	1.21
19000	14.39	14.39	14.36	14.36	14.35	14.32	0.21	33.26	27.35	25.94	26.07	4.86	19000	1.24	1.21	1.32
19500	14.43	14.49	14.45	14.48	14.44	14.38	0.21	26.89	29.31	27.41	27.65	4.98	19500	1.25	1.23	1.33
20000	14.57	14.57	14.57	14.53	14.60	14.56	0.23	21.81	30.53	29.30	29.22	5.02	20000	1.31	1.21	1.25
20500	14.48	14.49	14.49	14.49	14.47	14.43	0.21	23.67	40.70	35.91	36.01	5.25	20500	1.12	1.26	1.33
21000	14.60	14.60	14.61	14.60	14.64	14.59	0.23	26.99	36.86	33.28	33.11	5.16	21000	1.19	1.37	1.45
21500	14.65	14.64	14.65	14.68	14.67	14.63	0.24	25.49	32.97	30.30	30.84	5.37	21500	1.14	1.37	1.42
22000	14.71	14.68	14.69	14.67	14.70	14.66	0.19	27.82	40.64	36.35	39.32	5.25	22000	1.13	1.37	1.37
22500	14.69	14.69	14.70	14.66	14.69	14.65	0.21	23.97	46.96	37.94	43.11	5.62	22500	1.02	1.25	1.25
23000	14.78	14.78	14.77	14.71	14.75	14.71	0.19	22.75	37.91	52.48	42.53	5.85	23000	1.03	1.19	1.19
23500	14.79	14.83	14.79	14.76	14.77	14.73	0.24	24.01	31.57	36.74	34.03	6.22	23500	1.07	1.17	1.12
24000	14.83	14.80	14.79	14.76	14.83	14.79	0.30	23.59	31.73	36.16	32.53	6.68	24000	1.04	1.15	1.06
24500	15.06	15.03	15.04	15.03	14.99	14.93	0.25	27.14	38.40	46.56	38.72	6.42	24500	1.34	1.16	1.04
25000	14.97	15.03	15.00	14.97	14.97	14.92	0.25	36.81	33.33	35.80	32.90	6.41	25000	1.25	1.08	1.06
25500	15.04	15.01	15.00	14.88	15.04	15.00	0.34	30.25	27.81	28.60	28.09	6.46	25500	1.22	1.04	1.11
26000	15.03	15.05	15.03	14.93	15.05	14.99	0.30	24.64	31.86	33.18	32.63	7.08	26000	1.13	1.01	1.14
26500	15.17	15.15	15.16	15.01	15.21	15.16	0.39	25.43	33.42	35.93	33.71	6.59	26500	1.25	1.10	1.14
27000	15.14	15.14	15.13	15.01	15.15	15.11	0.33	35.52	30.41	29.78	29.45	6.60	27000	1.17	1.20	1.29
27500	15.21	15.21	15.20	15.13	15.23	15.17	0.32	29.34	29.89	30.51	29.72	6.96	27500	1.15	1.20	1.31
28000	15.32	15.35	15.37	15.31	15.40	15.36	0.30	27.34	30.35	31.67	30.44	7.01	28000	1.25	1.23	1.30
28500	15.28	15.28	15.30	15.28	15.32	15.27	0.33	25.24	35.95	35.20	35.27	7.00	28500	1.05	1.23	1.29
29000	15.39	15.38	15.42	15.36	15.41	15.35	0.31	29.71	37.99	32.76	32.40	7.10	29000	1.06	1.30	1.33
29500	15.39	15.39	15.43	15.35	15.43	15.39	0.34	27.73	32.79	30.86	30.42	7.58	29500	1.01	1.26	1.28
30000	15.43	15.45	15.48	15.35	15.45	15.40	0.32	26.26	47.01	40.76	39.73	7.65	30000	1.06	1.22	1.20
31000	15.57	15.60	15.66	15.50	15.61	15.56	0.30	25.78	36.61	35.70	36.26	8.73	31000	1.16	1.17	1.12
32000	15.68	15.66	15.78	15.73	15.78	15.73	0.36	27.50	48.05	45.84	46.64	8.30	32000	1.27	1.14	1.01
33000	15.78	15.78	15.92	15.83	15.92	15.87	0.37	26.18	39.30	45.98	40.23	8.31	33000	1.26	1.05	1.11
34000	15.89	15.89	16.08	15.80	16.03	15.97	0.39	23.66	38.94	41.54	42.05	9.00	34000	1.10	1.09	1.07
35000	15.95	15.92	16.18	15.90	16.14	16.08	0.43	29.37	33.05	33.35	32.92	9.55	35000	1.08	1.08	1.16
36000	16.08	16.08	16.38	16.14	16.29	16.24	0.38	24.72	35.26	36.10	34.19	8.72	36000	1.17	1.13	1.11
37000	16.21	16.18	16.52	16.14	16.41	16.36	0.42	27.77	37.66	36.57	34.62	8.25	37000	1.14	1.21	1.13
38000	16.29	16.21	16.48	16.14	16.43	16.37	0.49	34.52	37.33	39.61	37.81	8.43	38000	1.18	1.29	1.11
39000	16.32	16.31	16.54	16.43	16.45	16.40	0.38	28.45	35.52	34.69	34.04	8.86	39000	1.09	1.19	1.03
40000	16.47	16.45	16.67	16.48	16.53	16.49	0.41	38.55	34.75	34.37	33.80	8.34	40000	1.15	1.17	1.07
43500	16.75	16.66	16.76	16.76	16.79	16.75	0.57	32.09	32.13	35.62	32.69	9.08	43500	1.24	1.19	1.18

¹Total Loss = Insertion Loss + 12dB Splitter Loss



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