

16 Way-0° Power Splitter/Combiner

ZC16PD-18263-S+

Typical Performance Data

Data tested at 25DegC

FREQ. (MHz)	TOTAL LOSS ¹						AMP. UNBAL. (dB)	ISOLATION				PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR		
	S-1	S-5	S-8	S-9	S-13	S-16		1-2	5-7	9-11	13-16			S	1	16
10000	13.51	13.53	13.54	13.60	13.56	13.63	0.13	17.04	29.30	28.76	28.90	2.03	10000	1.28	1.14	1.10
10500	13.58	13.59	13.62	13.69	13.70	13.80	0.22	21.83	33.59	33.10	33.70	2.47	10500	1.34	1.10	1.16
11000	13.61	13.67	13.70	13.70	13.69	13.73	0.13	32.96	26.47	25.16	25.65	2.78	11000	1.28	1.15	1.20
11500	13.70	13.71	13.73	13.73	13.79	13.81	0.12	30.83	31.22	29.53	30.51	2.43	11500	1.30	1.22	1.26
12000	13.91	13.96	13.98	13.96	14.00	14.03	0.12	28.39	33.44	32.41	33.36	2.78	12000	1.54	1.20	1.22
12500	13.75	13.78	13.81	13.81	13.83	13.88	0.13	32.78	58.81	58.18	42.95	2.89	12500	1.22	1.05	1.06
13000	13.85	13.89	13.91	13.92	13.94	13.99	0.14	30.23	35.35	37.51	33.80	3.27	13000	1.31	1.08	1.05
13500	13.89	13.91	13.92	13.94	13.97	14.02	0.14	30.19	38.01	40.33	34.79	3.42	13500	1.24	1.18	1.18
14000	13.95	13.98	13.99	14.01	14.03	14.08	0.15	33.14	36.46	41.71	35.54	3.40	14000	1.29	1.31	1.31
14500	13.99	14.02	14.04	14.02	14.10	14.08	0.19	21.45	40.45	36.94	37.03	3.39	14500	1.24	1.21	1.19
15000	14.06	14.07	14.07	14.11	14.14	14.14	0.13	22.07	27.98	27.17	26.65	3.51	15000	1.27	1.18	1.20
15500	14.10	14.11	14.10	14.18	14.19	14.27	0.17	21.63	29.29	28.46	27.62	3.20	15500	1.25	1.16	1.20
16000	14.20	14.27	14.27	14.35	14.34	14.38	0.18	21.67	30.89	30.35	29.06	4.22	16000	1.38	1.23	1.26
16500	14.16	14.22	14.22	14.25	14.25	14.30	0.19	46.05	31.44	30.64	30.07	3.96	16500	1.11	1.21	1.23
17000	14.26	14.26	14.29	14.32	14.33	14.42	0.23	27.02	29.07	28.11	27.94	4.27	17000	1.27	1.19	1.20
17500	14.34	14.42	14.44	14.42	14.40	14.42	0.27	28.27	25.54	25.37	25.04	4.13	17500	1.34	1.22	1.21
18000	14.34	14.36	14.38	14.36	14.41	14.43	0.32	24.18	31.64	30.78	30.56	3.90	18000	1.08	1.08	1.05
18500	14.48	14.52	14.51	14.54	14.53	14.62	0.29	24.64	41.27	47.11	47.19	3.54	18500	1.32	1.25	1.22
19000	14.41	14.45	14.45	14.51	14.52	14.56	0.26	34.11	33.33	30.31	30.56	3.82	19000	1.02	1.20	1.14
19500	14.49	14.50	14.51	14.54	14.57	14.59	0.21	31.06	37.30	32.98	33.68	3.41	19500	1.03	1.16	1.06
20000	14.55	14.57	14.58	14.61	14.65	14.69	0.17	27.04	37.10	33.82	35.22	3.74	20000	1.12	1.10	1.04
20500	14.57	14.59	14.60	14.65	14.67	14.72	0.15	31.10	42.87	49.57	42.35	3.80	20500	1.07	1.15	1.14
21000	14.63	14.65	14.66	14.71	14.73	14.76	0.15	34.96	38.17	42.74	39.84	3.88	21000	1.02	1.17	1.13
21500	14.69	14.70	14.71	14.76	14.78	14.81	0.15	32.61	36.98	39.41	36.85	3.80	21500	1.05	1.17	1.11
22000	14.74	14.76	14.77	14.80	14.85	14.86	0.15	36.41	40.31	42.89	38.69	3.92	22000	1.08	1.23	1.14
22500	14.79	14.84	14.87	14.85	14.92	14.91	0.16	25.94	43.72	41.96	43.29	4.03	22500	1.05	1.24	1.15
23000	14.84	14.86	14.90	14.93	14.97	14.95	0.15	25.10	29.83	29.71	29.51	4.30	23000	1.08	1.22	1.16
23500	14.91	14.92	14.95	14.97	15.02	15.06	0.15	24.88	29.32	29.58	28.75	4.15	23500	1.06	1.24	1.22
24000	15.03	15.06	15.09	15.15	15.13	15.19	0.16	22.72	28.65	29.61	28.11	4.51	24000	1.24	1.30	1.31
24500	15.10	15.13	15.20	15.22	15.24	15.30	0.20	31.23	36.79	36.25	35.11	4.48	24500	1.23	1.35	1.38
25000	15.16	15.16	15.20	15.25	15.26	15.32	0.16	38.52	35.29	32.96	34.07	4.94	25000	1.35	1.18	1.21
25500	15.16	15.23	15.24	15.30	15.31	15.30	0.19	37.47	28.52	27.36	27.66	5.07	25500	1.34	1.11	1.12
26000	15.16	15.17	15.20	15.25	15.28	15.27	0.15	27.69	33.11	31.91	31.86	4.79	26000	1.11	1.13	1.13
26500	15.29	15.31	15.34	15.38	15.41	15.46	0.16	26.85	38.08	37.41	36.16	4.83	26500	1.31	1.15	1.16
27000	15.21	15.25	15.26	15.33	15.36	15.40	0.20	36.16	33.25	31.31	31.49	5.17	27000	1.06	1.04	1.06
27500	15.27	15.31	15.31	15.38	15.40	15.41	0.18	36.92	34.23	32.60	32.70	5.34	27500	1.03	1.05	1.04
28000	15.36	15.37	15.38	15.43	15.49	15.51	0.18	30.11	33.53	32.35	32.23	5.22	28000	1.11	1.08	1.02
28500	15.38	15.42	15.43	15.50	15.53	15.55	0.18	29.66	45.20	43.48	42.64	5.39	28500	1.13	1.05	1.09
29000	15.41	15.44	15.45	15.56	15.58	15.59	0.21	33.45	43.85	48.65	49.72	5.65	29000	1.10	1.11	1.13
30000	15.54	15.56	15.57	15.65	15.68	15.70	0.18	31.71	38.21	42.12	39.40	5.76	30000	1.13	1.08	1.07

¹Total Loss = Insertion Loss + 12dB Splitter Loss

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6/12/2019

Page 1 of 3

16 Way-0° Power Splitter/Combiner

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Typical Performance Data

Data tested at -55DegC

FREQ. (MHz)	TOTAL LOSS ¹						AMP. UNBAL. (dB)	ISOLATION				PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR		
	S-1	S-5	S-8	S-9	S-13	S-16		1-2	5-7	9-11	13-16			S	1	16
10000	13.44	13.48	13.50	13.53	13.51	13.61	0.17	17.05	29.40	28.82	29.05	2.33	10000	1.27	1.14	1.11
10500	13.50	13.54	13.57	13.62	13.66	13.78	0.28	22.36	32.53	31.88	32.76	2.16	10500	1.33	1.11	1.17
11000	13.54	13.62	13.64	13.63	13.65	13.70	0.16	32.01	26.19	24.87	25.44	2.19	11000	1.29	1.16	1.20
11500	13.61	13.64	13.67	13.65	13.74	13.79	0.18	31.96	31.04	29.45	30.57	2.44	11500	1.29	1.24	1.26
12000	13.85	13.89	13.92	13.91	13.97	14.02	0.17	29.83	33.92	32.95	33.81	2.38	12000	1.56	1.20	1.22
12500	13.68	13.73	13.77	13.75	13.79	13.86	0.19	33.15	56.68	57.38	45.80	2.59	12500	1.26	1.07	1.06
13000	13.77	13.83	13.85	13.86	13.90	13.98	0.20	29.51	36.05	38.59	34.30	2.67	13000	1.34	1.06	1.04
13500	13.79	13.84	13.87	13.88	13.93	14.00	0.21	30.73	38.14	41.40	35.10	2.77	13500	1.26	1.16	1.18
14000	13.85	13.91	13.93	13.93	13.99	14.05	0.20	31.76	37.61	44.45	36.51	2.79	14000	1.30	1.30	1.31
14500	13.88	13.94	13.97	13.92	14.05	14.05	0.23	21.14	38.24	35.25	35.87	2.71	14500	1.25	1.19	1.18
15000	13.95	13.98	14.01	14.04	14.09	14.12	0.19	22.25	27.99	27.24	26.69	3.16	15000	1.25	1.17	1.21
15500	13.97	14.03	14.04	14.08	14.13	14.23	0.26	21.84	28.97	28.19	27.37	3.00	15500	1.23	1.16	1.21
16000	14.11	14.22	14.23	14.28	14.33	14.37	0.27	22.25	32.92	32.43	30.67	3.01	16000	1.40	1.26	1.28
16500	14.04	14.12	14.14	14.14	14.18	14.25	0.21	43.84	30.74	29.94	29.49	3.49	16500	1.08	1.23	1.22
17000	14.12	14.16	14.19	14.21	14.27	14.37	0.25	26.62	27.76	27.02	27.06	3.41	17000	1.21	1.18	1.19
17500	14.22	14.34	14.37	14.34	14.37	14.38	0.26	26.23	26.08	25.94	25.55	3.99	17500	1.33	1.21	1.22
18000	14.22	14.28	14.29	14.27	14.35	14.39	0.30	23.96	31.36	30.78	30.61	3.86	18000	1.10	1.09	1.08
18500	14.37	14.43	14.43	14.48	14.50	14.60	0.30	24.89	46.84	44.19	46.29	4.07	18500	1.33	1.29	1.26
19000	14.27	14.34	14.37	14.42	14.46	14.50	0.29	34.75	33.06	30.03	30.44	4.01	19000	1.03	1.19	1.15
19500	14.35	14.40	14.41	14.45	14.52	14.55	0.25	31.24	36.63	32.58	33.42	4.23	19500	1.01	1.14	1.05
20000	14.42	14.48	14.50	14.54	14.60	14.66	0.24	27.13	37.87	34.63	36.42	4.31	20000	1.16	1.08	1.07
20500	14.44	14.50	14.51	14.56	14.60	14.66	0.22	32.40	42.77	46.50	40.91	4.41	20500	1.03	1.15	1.15
21000	14.50	14.55	14.57	14.61	14.65	14.70	0.20	35.56	37.60	42.47	39.77	4.47	21000	1.05	1.15	1.14
21500	14.56	14.61	14.63	14.67	14.71	14.75	0.20	34.24	39.17	41.39	38.10	4.64	21500	1.08	1.15	1.12
22000	14.63	14.67	14.68	14.71	14.78	14.80	0.20	35.20	40.59	44.25	39.23	4.69	22000	1.12	1.19	1.13
22500	14.67	14.73	14.76	14.73	14.84	14.83	0.20	25.14	40.14	38.40	39.97	4.72	22500	1.07	1.19	1.12
23000	14.74	14.76	14.80	14.82	14.89	14.90	0.17	25.47	29.62	29.66	29.35	4.76	23000	1.12	1.20	1.15
23500	14.80	14.81	14.85	14.84	14.92	14.99	0.20	24.83	29.06	29.48	28.60	4.57	23500	1.06	1.22	1.20
24000	15.00	14.99	15.04	15.07	15.11	15.17	0.18	22.68	29.77	31.03	29.07	4.82	24000	1.34	1.31	1.33
24500	14.95	14.96	15.04	15.02	15.08	15.16	0.23	33.48	35.35	34.70	34.32	5.22	24500	1.07	1.33	1.37
25000	15.01	14.99	15.05	15.10	15.13	15.20	0.21	34.78	33.95	31.52	33.07	5.49	25000	1.27	1.17	1.19
25500	15.06	15.08	15.11	15.15	15.20	15.20	0.20	34.96	28.78	27.73	27.89	5.49	25500	1.33	1.10	1.11
26000	15.07	15.05	15.09	15.11	15.18	15.19	0.20	27.58	32.86	31.72	31.63	5.55	26000	1.12	1.13	1.14
26500	15.17	15.17	15.21	15.26	15.31	15.38	0.22	27.07	42.06	40.72	39.19	5.55	26500	1.35	1.16	1.16
27000	15.09	15.12	15.12	15.20	15.26	15.30	0.22	36.42	32.86	30.92	31.12	5.59	27000	1.14	1.07	1.07
27500	15.14	15.16	15.17	15.24	15.31	15.32	0.22	36.69	33.66	32.10	32.35	5.80	27500	1.09	1.06	1.04
28000	15.18	15.19	15.21	15.26	15.37	15.40	0.24	29.26	34.34	33.13	32.93	5.92	28000	1.14	1.04	1.02
28500	15.22	15.23	15.25	15.32	15.41	15.44	0.23	30.76	46.60	43.38	43.43	6.17	28500	1.06	1.07	1.11
29000	15.25	15.27	15.28	15.38	15.45	15.48	0.24	34.52	41.90	48.36	50.32	5.88	29000	1.06	1.09	1.14
30000	15.39	15.38	15.40	15.47	15.56	15.58	0.23	32.07	37.33	41.34	38.54	6.07	30000	1.17	1.04	1.08

¹Total Loss = Insertion Loss + 12dB Splitter Loss



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6/12/2019

Page 2 of 3

16 Way-0° Power Splitter/Combiner

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Typical Performance Data

Data tested at 100DegC

FREQ. (MHz)	TOTAL LOSS ¹						AMP. UNBAL. (dB)	ISOLATION				PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR		
	S-1	S-5	S-8	S-9	S-13	S-16		1-2	5-7	9-11	13-16			S	1	16
10000	13.60	13.58	13.58	13.64	13.59	13.66	0.09	16.81	29.14	28.63	28.81	2.44	10000	1.28	1.09	1.08
10500	13.68	13.65	13.66	13.74	13.72	13.83	0.18	21.35	33.66	33.02	33.83	2.46	10500	1.31	1.13	1.18
11000	13.74	13.74	13.72	13.74	13.71	13.77	0.11	32.09	26.33	25.05	25.57	2.34	11000	1.27	1.22	1.21
11500	13.84	13.79	13.79	13.78	13.82	13.85	0.12	30.96	30.77	29.10	30.04	2.47	11500	1.31	1.27	1.26
12000	14.03	14.01	14.01	14.00	14.02	14.05	0.12	29.59	33.30	32.26	33.14	2.62	12000	1.51	1.19	1.22
12500	13.88	13.85	13.85	13.86	13.86	13.91	0.13	32.77	54.99	56.94	43.50	2.71	12500	1.18	1.08	1.05
13000	13.99	13.96	13.96	13.98	13.97	14.03	0.14	29.92	35.95	38.64	34.52	2.80	13000	1.29	1.14	1.05
13500	14.05	13.99	13.98	14.01	14.01	14.07	0.18	29.44	37.66	40.41	34.69	2.67	13500	1.23	1.24	1.19
14000	14.12	14.05	14.04	14.08	14.07	14.13	0.19	33.56	36.40	42.00	35.52	2.90	14000	1.29	1.40	1.33
14500	14.14	14.09	14.09	14.08	14.14	14.15	0.20	21.52	40.76	36.79	37.18	2.88	14500	1.21	1.28	1.21
15000	14.24	14.16	14.13	14.19	14.18	14.19	0.22	21.83	28.01	27.17	26.68	2.87	15000	1.27	1.23	1.21
15500	14.27	14.21	14.17	14.27	14.23	14.30	0.21	21.46	29.12	28.32	27.46	3.76	15500	1.25	1.21	1.21
16000	14.36	14.36	14.32	14.41	14.38	14.43	0.17	21.40	30.45	30.07	28.82	3.25	16000	1.36	1.24	1.26
16500	14.33	14.33	14.30	14.32	14.31	14.34	0.21	46.56	31.68	30.74	30.27	3.42	16500	1.13	1.15	1.24
17000	14.45	14.37	14.37	14.40	14.39	14.48	0.21	27.30	29.41	28.28	28.11	3.37	17000	1.27	1.18	1.20
17500	14.54	14.52	14.50	14.50	14.43	14.47	0.25	29.34	25.25	25.10	24.78	3.62	17500	1.30	1.22	1.21
18000	14.54	14.48	14.46	14.46	14.48	14.50	0.25	24.08	31.69	30.75	30.56	3.57	18000	1.06	1.10	1.05
18500	14.65	14.60	14.57	14.63	14.59	14.66	0.17	24.14	40.15	46.34	46.67	3.81	18500	1.28	1.18	1.20
19000	14.67	14.59	14.54	14.63	14.59	14.64	0.19	33.23	33.59	30.39	30.71	4.30	19000	1.07	1.21	1.14
19500	14.74	14.64	14.61	14.66	14.65	14.67	0.20	31.21	36.77	32.58	33.35	4.03	19500	1.07	1.18	1.07
20000	14.80	14.71	14.69	14.73	14.72	14.76	0.17	27.67	37.37	33.93	35.46	4.21	20000	1.13	1.14	1.03
20500	14.83	14.73	14.70	14.77	14.75	14.79	0.15	31.54	43.27	52.86	44.15	4.22	20500	1.08	1.15	1.13
21000	14.91	14.79	14.76	14.83	14.80	14.84	0.17	34.46	39.91	46.31	42.15	4.37	21000	1.02	1.21	1.13
21500	14.97	14.85	14.82	14.88	14.87	14.88	0.19	32.01	37.22	40.09	37.38	4.43	21500	1.05	1.25	1.12
22000	15.04	14.91	14.88	14.93	14.93	14.94	0.22	36.57	39.89	42.77	38.63	4.61	22000	1.07	1.34	1.16
22500	15.08	14.99	14.98	14.98	15.01	15.00	0.20	26.37	43.51	41.68	43.13	4.68	22500	1.04	1.34	1.17
23000	15.13	15.03	15.01	15.07	15.05	15.03	0.16	24.74	30.24	30.05	29.84	4.87	23000	1.06	1.29	1.17
23500	15.21	15.09	15.07	15.13	15.11	15.13	0.14	24.72	29.43	29.64	28.76	5.42	23500	1.06	1.30	1.22
24000	15.31	15.21	15.18	15.26	15.20	15.26	0.14	22.74	28.25	29.24	27.83	5.03	24000	1.16	1.33	1.30
24500	15.42	15.34	15.34	15.37	15.35	15.41	0.15	30.36	37.54	36.69	35.66	5.21	24500	1.30	1.33	1.37
25000	15.46	15.34	15.33	15.39	15.36	15.41	0.14	40.29	36.05	33.52	34.58	5.01	25000	1.34	1.13	1.19
25500	15.48	15.36	15.33	15.42	15.39	15.39	0.16	38.35	28.36	27.16	27.46	5.29	25500	1.31	1.12	1.10
26000	15.50	15.36	15.33	15.39	15.38	15.36	0.23	28.13	32.70	31.56	31.54	5.17	26000	1.12	1.18	1.11
26500	15.60	15.47	15.45	15.52	15.50	15.53	0.17	26.83	38.04	37.35	36.29	5.57	26500	1.28	1.11	1.13
27000	15.56	15.42	15.38	15.48	15.45	15.50	0.19	34.44	34.12	31.86	32.00	5.52	27000	1.01	1.09	1.04
27500	15.64	15.51	15.44	15.55	15.51	15.52	0.23	36.39	34.05	32.30	32.35	5.48	27500	1.02	1.13	1.04
28000	15.76	15.58	15.54	15.62	15.61	15.61	0.26	31.00	33.27	32.12	32.09	5.74	28000	1.12	1.18	1.03
28500	15.77	15.61	15.57	15.67	15.64	15.64	0.22	29.99	46.73	44.68	43.93	5.88	28500	1.13	1.16	1.08
29000	15.81	15.64	15.59	15.74	15.69	15.70	0.22	33.07	47.76	52.22	53.28	6.01	29000	1.06	1.19	1.14
30000	15.95	15.76	15.71	15.83	15.80	15.82	0.25	31.25	37.74	41.48	38.74	6.21	30000	1.07	1.20	1.09

¹Total Loss = Insertion Loss + 12dB Splitter Loss



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Page 3 of 3