

16 Way-0° Power Splitter/Combiner

ZC16PD-06263-S+

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
5000	12.87	12.85	12.87	12.91	12.87	12.90	0.09	19.43	23.20	24.54	24.64	2.07	5000	1.06	1.23	1.19
5500	12.93	12.93	12.95	13.01	12.93	12.97	0.11	30.21	39.37	35.67	36.02	2.37	5500	1.08	1.28	1.20
6000	13.02	13.02	13.04	13.09	13.03	13.06	0.13	25.29	34.22	34.62	46.10	2.48	6000	1.08	1.12	1.12
6500	13.08	13.05	13.07	13.17	13.10	13.13	0.15	35.11	37.16	33.76	51.13	2.62	6500	1.04	1.03	1.03
7000	13.15	13.14	13.15	13.24	13.15	13.18	0.13	35.60	40.31	36.58	47.98	2.64	7000	1.09	1.06	1.03
7500	13.29	13.27	13.28	13.36	13.29	13.29	0.13	28.08	27.51	28.14	30.34	2.99	7500	1.22	1.06	1.06
8000	13.35	13.26	13.27	13.38	13.34	13.37	0.16	28.96	25.53	25.15	26.76	2.94	8000	1.14	1.03	1.02
8500	13.49	13.40	13.41	13.53	13.46	13.49	0.16	21.79	41.30	38.61	44.40	3.41	8500	1.25	1.19	1.17
9000	13.49	13.46	13.48	13.63	13.50	13.52	0.20	24.66	35.03	34.40	34.99	3.25	9000	1.23	1.20	1.19
9500	13.48	13.49	13.48	13.63	13.47	13.51	0.22	28.11	33.06	33.16	35.79	3.52	9500	1.10	1.08	1.09
10000	13.61	13.60	13.59	13.74	13.64	13.65	0.24	27.08	36.03	36.72	34.07	3.57	10000	1.21	1.07	1.07
10500	13.63	13.55	13.53	13.70	13.66	13.66	0.24	32.34	34.66	33.60	36.91	3.65	10500	1.06	1.10	1.10
11000	13.71	13.62	13.61	13.79	13.73	13.74	0.24	34.90	31.31	30.20	33.09	3.79	11000	1.09	1.10	1.08
11500	13.94	13.85	13.86	14.04	13.94	13.94	0.27	21.50	51.05	46.03	38.47	3.90	11500	1.36	1.11	1.12
12000	13.89	13.84	13.87	14.07	13.91	13.94	0.28	23.67	32.43	30.64	30.85	3.81	12000	1.34	1.01	1.06
12500	13.89	13.83	13.84	14.05	13.91	13.94	0.27	25.17	31.46	29.82	31.78	4.22	12500	1.12	1.05	1.01
13000	14.09	14.02	14.02	14.21	14.10	14.11	0.27	32.94	32.56	33.28	34.46	4.00	13000	1.39	1.22	1.18
13500	14.10	14.04	14.03	14.24	14.12	14.12	0.29	38.85	33.66	35.53	38.09	4.29	13500	1.35	1.16	1.15
14000	14.16	14.09	14.09	14.30	14.18	14.17	0.30	29.17	29.73	29.56	30.73	4.45	14000	1.28	1.10	1.09
14500	14.35	14.24	14.24	14.47	14.35	14.36	0.29	28.39	38.60	41.67	36.27	4.66	14500	1.51	1.21	1.22
15000	14.29	14.16	14.17	14.40	14.29	14.31	0.33	36.04	36.81	34.33	36.02	4.56	15000	1.30	1.14	1.13
15500	14.28	14.22	14.22	14.47	14.31	14.31	0.38	34.68	38.26	36.16	42.52	4.87	15500	1.20	1.07	1.07
16000	14.37	14.34	14.33	14.58	14.37	14.36	0.34	32.05	43.15	43.05	41.89	4.84	16000	1.31	1.09	1.10
16500	14.50	14.43	14.39	14.64	14.52	14.49	0.37	30.85	35.70	37.24	42.87	5.06	16500	1.37	1.07	1.05
17000	14.51	14.38	14.36	14.63	14.56	14.52	0.39	35.64	35.13	32.80	35.78	5.01	17000	1.17	1.02	1.03
17500	14.56	14.45	14.44	14.74	14.60	14.59	0.41	45.92	35.55	35.63	40.64	5.14	17500	1.25	1.01	1.06
18000	14.63	14.53	14.51	14.84	14.63	14.62	0.42	40.31	30.65	30.18	32.17	5.21	18000	1.17	1.03	1.05
18500	14.88	14.81	14.78	15.11	14.89	14.88	0.45	32.78	31.21	29.84	31.58	5.50	18500	1.59	1.12	1.11
19000	14.76	14.67	14.64	14.92	14.77	14.75	0.44	29.63	42.84	41.98	37.74	5.27	19000	1.19	1.07	1.07
19500	14.82	14.75	14.70	15.02	14.84	14.83	0.49	30.33	35.22	36.40	42.79	5.49	19500	1.15	1.21	1.17
20000	15.03	14.97	14.91	15.23	14.98	14.96	0.49	26.65	43.99	43.33	47.50	5.61	20000	1.22	1.42	1.38
20500	15.04	14.94	14.89	15.19	15.04	15.00	0.50	33.23	33.26	35.30	34.09	5.45	20500	1.26	1.34	1.29
21000	15.03	14.95	14.88	15.22	15.11	15.06	0.55	29.24	31.94	31.51	32.40	5.52	21000	1.09	1.32	1.27
22000	15.15	15.08	15.03	15.40	15.18	15.14	0.56	27.03	36.47	35.57	34.62	5.68	22000	1.01	1.30	1.27
23000	15.48	15.39	15.34	15.69	15.54	15.43	0.61	22.78	33.35	32.39	33.80	5.30	23000	1.21	1.37	1.39
24000	15.58	15.40	15.37	15.83	15.55	15.51	0.59	28.56	31.69	31.43	33.17	5.83	24000	1.24	1.35	1.32
25000	15.56	15.50	15.43	15.85	15.60	15.55	0.61	44.70	39.41	35.31	34.70	6.06	25000	1.15	1.20	1.28
26000	15.70	15.52	15.42	15.89	15.69	15.61	0.65	35.68	35.04	36.64	37.95	6.04	26000	1.09	1.18	1.22
26500	15.74	15.69	15.58	16.03	15.79	15.76	0.64	37.75	39.01	38.61	40.67	6.24	26500	1.12	1.16	1.29
27000	15.98	15.81	15.71	16.22	16.05	16.01	0.72	28.75	38.77	34.75	36.47	6.16	27000	1.28	1.25	1.38

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 -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
5000	12.86	12.86	12.89	12.92	12.90	12.94	0.12	19.62	23.14	24.50	24.51	1.54	5000	1.04	1.22	1.18
5500	12.90	12.90	12.96	13.04	12.95	12.98	0.15	31.63	40.01	35.44	36.04	1.47	5500	1.08	1.28	1.19
6000	13.03	13.01	13.04	13.08	13.04	13.06	0.11	24.86	33.50	33.91	44.60	1.98	6000	1.05	1.12	1.12
6500	13.07	13.05	13.07	13.19	13.12	13.14	0.16	34.32	38.24	33.79	51.30	1.88	6500	1.03	1.03	1.04
7000	13.13	13.14	13.14	13.21	13.16	13.19	0.11	34.89	42.49	37.89	48.72	2.44	7000	1.12	1.06	1.03
7500	13.24	13.21	13.24	13.35	13.28	13.28	0.16	28.53	27.76	28.29	30.61	2.46	7500	1.16	1.06	1.06
8000	13.30	13.23	13.23	13.36	13.31	13.34	0.18	29.60	25.47	25.13	26.69	2.77	8000	1.09	1.03	1.01
8500	13.46	13.37	13.40	13.52	13.45	13.45	0.17	22.12	41.16	38.57	44.12	2.21	8500	1.22	1.19	1.16
9000	13.46	13.44	13.45	13.59	13.48	13.49	0.19	25.33	33.68	33.54	34.34	2.45	9000	1.21	1.19	1.19
9500	13.44	13.45	13.47	13.59	13.46	13.48	0.24	28.40	33.42	33.25	35.77	2.48	9500	1.10	1.08	1.09
10000	13.56	13.55	13.55	13.69	13.60	13.61	0.20	28.07	36.91	37.33	34.26	3.27	10000	1.20	1.10	1.08
10500	13.57	13.50	13.51	13.62	13.63	13.63	0.21	32.36	35.10	34.02	37.75	3.05	10500	1.04	1.11	1.11
11000	13.65	13.57	13.57	13.75	13.69	13.70	0.23	36.34	31.35	30.44	33.27	2.85	11000	1.09	1.13	1.10
11500	13.84	13.77	13.80	13.93	13.88	13.87	0.23	21.51	52.52	45.07	38.62	3.07	11500	1.33	1.08	1.10
12000	13.82	13.75	13.79	14.01	13.85	13.90	0.30	24.38	31.80	30.23	30.61	3.20	12000	1.30	1.02	1.04
12500	13.82	13.77	13.78	13.96	13.87	13.90	0.24	25.21	31.27	29.68	31.59	3.54	12500	1.10	1.06	1.02
13000	13.97	13.90	13.90	14.10	14.02	14.03	0.25	36.54	34.04	35.19	35.94	3.51	13000	1.32	1.20	1.18
13500	13.99	13.94	13.94	14.14	14.04	14.05	0.26	35.43	34.26	36.34	39.08	3.88	13500	1.28	1.13	1.12
14000	14.05	13.98	13.98	14.19	14.11	14.11	0.25	27.52	29.55	29.73	30.59	4.07	14000	1.20	1.06	1.06
14500	14.24	14.14	14.16	14.39	14.29	14.31	0.30	29.08	39.01	42.15	36.09	4.01	14500	1.52	1.19	1.20
15000	14.17	14.06	14.08	14.28	14.21	14.22	0.27	35.29	36.94	34.32	36.54	4.02	15000	1.20	1.14	1.12
15500	14.19	14.13	14.14	14.38	14.24	14.23	0.33	35.55	40.17	37.31	44.77	4.08	15500	1.15	1.05	1.05
16000	14.29	14.27	14.27	14.48	14.32	14.31	0.29	32.27	46.36	49.90	41.14	4.66	16000	1.32	1.08	1.09
16500	14.39	14.33	14.28	14.55	14.47	14.43	0.29	30.26	37.83	40.39	46.30	4.83	16500	1.36	1.06	1.03
17000	14.37	14.25	14.27	14.55	14.47	14.44	0.35	34.22	36.34	33.90	37.31	4.95	17000	1.13	1.05	1.06
17500	14.43	14.36	14.32	14.64	14.52	14.50	0.36	44.43	36.01	36.27	41.84	4.67	17500	1.19	1.01	1.07
18000	14.51	14.42	14.45	14.75	14.54	14.52	0.39	40.13	30.59	29.98	32.05	4.81	18000	1.03	1.02	1.06
18500	14.81	14.75	14.70	15.03	14.87	14.86	0.38	31.91	31.64	30.26	31.86	5.17	18500	1.65	1.15	1.15
19000	14.64	14.57	14.57	14.82	14.68	14.66	0.36	30.41	49.97	48.02	38.89	5.43	19000	1.16	1.11	1.09
19500	14.80	14.73	14.67	14.99	14.83	14.82	0.39	29.74	36.04	37.31	44.43	5.52	19500	1.39	1.27	1.22
20000	14.98	14.90	14.85	15.18	14.96	14.93	0.43	26.54	44.78	45.57	44.79	5.17	20000	1.44	1.44	1.41
20500	14.96	14.86	14.81	15.08	14.99	14.95	0.39	33.02	33.03	34.83	34.13	5.76	20500	1.26	1.38	1.32
21000	14.90	14.82	14.76	15.10	15.02	14.98	0.46	28.55	32.01	31.52	32.78	5.69	21000	1.05	1.33	1.28
22000	15.04	14.96	14.92	15.29	15.10	15.08	0.50	27.46	34.08	33.62	33.23	5.81	22000	1.05	1.35	1.30
23000	15.51	15.36	15.32	15.65	15.53	15.43	0.45	22.99	34.37	33.53	35.08	5.59	23000	1.44	1.45	1.46
24000	15.34	15.26	15.24	15.65	15.41	15.37	0.51	31.37	31.50	31.30	33.06	6.44	24000	1.25	1.28	1.30
25000	15.39	15.26	15.24	15.65	15.44	15.41	0.49	37.57	37.61	34.62	34.70	6.61	25000	1.11	1.21	1.27
26000	15.48	15.32	15.25	15.72	15.54	15.50	0.52	36.92	34.69	37.12	38.47	6.93	26000	1.09	1.14	1.20
26500	15.59	15.46	15.39	15.83	15.66	15.64	0.48	35.26	40.56	37.08	38.10	7.10	26500	1.20	1.17	1.25
27000	15.85	15.69	15.61	16.09	15.96	15.94	0.57	28.71	39.33	35.30	37.13	7.67	27000	1.45	1.23	1.34

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
5000	13.03	13.06	13.04	13.02	12.93	12.94	0.18	18.87	23.30	24.84	24.67	1.80	5000	1.04	1.24	1.25
5500	13.11	13.14	13.06	13.16	13.00	13.00	0.24	28.81	38.82	37.62	35.83	1.50	5500	1.10	1.30	1.19
6000	13.23	13.24	13.15	13.21	13.10	13.10	0.26	25.90	35.81	36.33	51.51	1.60	6000	1.06	1.14	1.04
6500	13.31	13.27	13.18	13.23	13.15	13.18	0.25	37.33	39.59	35.26	63.04	2.08	6500	1.08	1.03	1.06
7000	13.40	13.33	13.23	13.33	13.22	13.25	0.27	42.04	40.42	36.77	52.79	2.29	7000	1.09	1.04	1.12
7500	13.59	13.47	13.36	13.49	13.36	13.38	0.27	27.64	27.59	28.12	30.30	2.72	7500	1.19	1.04	1.05
8000	13.66	13.41	13.36	13.49	13.39	13.44	0.32	28.05	25.54	25.18	26.82	2.84	8000	1.13	1.03	1.11
8500	13.77	13.53	13.52	13.60	13.51	13.58	0.27	21.14	40.18	38.02	43.89	2.91	8500	1.31	1.18	1.24
9000	13.74	13.58	13.58	13.71	13.54	13.61	0.20	24.21	36.13	35.81	36.22	3.46	9000	1.24	1.20	1.09
9500	13.69	13.58	13.56	13.74	13.51	13.60	0.24	28.10	32.67	33.74	35.80	3.44	9500	1.13	1.06	1.03
10000	13.79	13.67	13.67	13.84	13.69	13.77	0.24	27.99	35.24	35.89	33.86	3.71	10000	1.25	1.07	1.12
10500	13.81	13.63	13.63	13.81	13.71	13.79	0.24	31.28	35.62	34.55	38.31	3.99	10500	1.05	1.09	1.02
11000	13.87	13.69	13.70	13.88	13.77	13.89	0.24	33.11	32.26	31.07	34.39	3.64	11000	1.11	1.09	1.05
11500	14.08	13.92	13.97	14.12	13.99	14.12	0.25	21.20	46.51	43.66	37.43	3.75	11500	1.37	1.12	1.23
12000	14.01	13.89	13.95	14.16	13.95	14.08	0.31	23.03	32.75	30.83	30.96	3.78	12000	1.34	1.00	1.08
12500	14.02	13.90	13.93	14.16	13.96	14.11	0.30	24.77	31.66	30.18	32.17	4.23	12500	1.14	1.06	1.12
13000	14.23	14.09	14.11	14.32	14.16	14.31	0.27	32.12	32.24	33.14	34.53	3.97	13000	1.43	1.23	1.29
13500	14.21	14.10	14.12	14.33	14.16	14.30	0.27	38.79	33.88	36.11	38.35	4.16	13500	1.35	1.17	1.21
14000	14.28	14.16	14.19	14.40	14.21	14.37	0.29	30.95	30.41	30.26	31.51	4.63	14000	1.29	1.11	1.14
14500	14.46	14.30	14.33	14.58	14.40	14.57	0.32	28.43	37.60	41.09	36.03	4.89	14500	1.47	1.19	1.26
15000	14.40	14.22	14.26	14.51	14.35	14.53	0.36	36.91	37.34	34.44	36.15	4.27	15000	1.30	1.13	1.15
15500	14.43	14.31	14.34	14.57	14.37	14.55	0.34	34.49	38.86	36.37	43.82	4.36	15500	1.26	1.08	1.07
16000	14.47	14.40	14.42	14.68	14.42	14.60	0.33	32.54	43.50	42.85	43.22	4.84	16000	1.27	1.07	1.14
16500	14.59	14.49	14.49	14.77	14.59	14.76	0.36	31.45	35.48	36.69	42.61	5.05	16500	1.35	1.06	1.07
17000	14.66	14.46	14.48	14.78	14.66	14.80	0.40	37.12	34.76	32.47	35.52	5.02	17000	1.21	1.03	1.09
17500	14.70	14.51	14.53	14.83	14.69	14.87	0.40	43.82	35.24	35.26	39.97	4.89	17500	1.22	1.02	1.11
18000	14.78	14.61	14.64	14.96	14.76	14.91	0.40	40.82	30.69	30.32	32.53	4.81	18000	1.20	1.04	1.10
18500	14.99	14.86	14.86	15.22	14.99	15.18	0.44	32.87	31.04	29.73	31.73	5.31	18500	1.50	1.11	1.13
19000	14.89	14.73	14.73	15.06	14.92	15.08	0.45	30.19	41.19	40.69	37.93	5.48	19000	1.14	1.08	1.11
19500	14.99	14.82	14.82	15.18	15.04	15.17	0.48	31.31	34.85	35.93	42.40	5.56	19500	1.13	1.20	1.19
20000	15.19	15.05	15.02	15.35	15.19	15.28	0.46	26.95	44.15	42.48	49.45	5.55	20000	1.12	1.41	1.38
20500	15.20	15.01	14.99	15.30	15.32	15.33	0.48	32.77	33.46	35.61	34.86	5.95	20500	1.14	1.33	1.28
21000	15.26	15.05	15.01	15.37	15.40	15.41	0.54	29.26	31.89	31.62	32.95	6.24	21000	1.12	1.32	1.24
22000	15.37	15.19	15.18	15.56	15.40	15.48	0.52	27.33	39.06	37.42	36.57	6.57	22000	1.10	1.30	1.19
23000	15.59	15.41	15.41	15.75	15.65	15.80	0.61	22.72	33.02	32.20	34.08	7.01	23000	1.14	1.32	1.25
24000	15.79	15.55	15.54	16.00	15.70	15.93	0.54	28.16	32.18	32.00	34.43	7.07	24000	1.22	1.38	1.19
25000	15.77	15.66	15.60	16.04	15.74	16.06	0.56	41.95	40.95	35.53	35.19	7.68	25000	1.29	1.22	1.21
26000	15.87	15.65	15.56	16.06	15.79	16.14	0.62	35.04	35.62	36.91	38.43	7.55	26000	1.07	1.20	1.24
26500	15.93	15.83	15.73	16.18	15.89	16.30	0.60	38.96	39.36	38.65	41.29	7.77	26500	1.25	1.18	1.29
27000	16.11	15.90	15.80	16.33	16.10	16.58	0.78	28.61	38.64	34.47	36.69	7.82	27000	1.10	1.27	1.40

¹Total Loss = Insertion Loss + 12dB Splitter Loss



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