4 Way-0° Power Splitter/Combiner ZC4PD-V2654+

Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS[1] (dB)				AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)			VSWR (:1)				
	S-1	S-2	S-3	S-4			1-2	1-4	3-4	S	1	2	3	4
26000	7.24	7.24	7.25	7.39	0.15	0.65	26.25	30.30	27.45	1.09	1.38	1.32	1.40	1.37
26500	7.27	7.27	7.29	7.42	0.16	0.64	37.49	30.77	42.87	1.21	1.35	1.32	1.38	1.30
27000	7.26	7.28	7.28	7.41	0.16	0.93	32.97	31.18	29.79	1.20	1.20	1.21	1.23	1.13
27500	7.26	7.29	7.24	7.37	0.13	0.76	26.55	31.84	25.03	1.07	1.05	1.07	1.07	1.01
28000	7.27	7.30	7.29	7.42	0.15	0.46	24.65	32.65	23.89	1.09	1.10	1.06	1.09	1.07
28500	7.31	7.33	7.36	7.50	0.19	0.71	24.59	33.68	24.48	1.19	1.08	1.07	1.08	1.03
29000	7.34	7.35	7.33	7.49	0.15	0.85	26.11	34.54	26.59	1.15	1.05	1.02	1.02	1.07
29500	7.32	7.33	7.31	7.46	0.16	0.76	29.06	35.22	29.93	1.04	1.13	1.07	1.09	1.14
30000	7.35	7.36	7.33	7.49	0.16	0.93	31.28	35.45	31.89	1.13	1.16	1.12	1.13	1.13
30500	7.39	7.42	7.36	7.51	0.16	0.83	29.69	35.18	30.41	1.18	1.15	1.13	1.13	1.10
31000	7.38	7.41	7.39	7.53	0.16	0.59	28.70	34.55	29.81	1.11	1.12	1.12	1.12	1.06
31500	7.37	7.41	7.42	7.55	0.18	0.79	29.95	33.83	31.42	1.02	1.10	1.11	1.11	1.04
32000	7.42	7.46	7.44	7.57	0.16	0.73	30.77	33.15	31.03	1.11	1.07	1.09	1.10	1.08
32500	7.43	7.47	7.50	7.63	0.20	0.73	27.31	32.55	26.76	1.14	1.07	1.07	1.08	1.14
33000	7.42	7.46	7.49	7.64	0.22	1.33	24.51	32.02	23.93	1.08	1.09	1.08	1.07	1.15
33500	7.46	7.49	7.42	7.58	0.17	1.41	23.54	31.48	23.01	1.05	1.08	1.08	1.04	1.11
34000	7.49	7.51	7.44	7.62	0.18	0.74	24.27	31.00	23.70	1.09	1.10	1.10	1.05	1.12
34500	7.47	7.50	7.51	7.69	0.22	0.99	26.73	30.71	26.19	1.05	1.18	1.18	1.13	1.19
35000	7.54	7.56	7.54	7.72	0.18	1.44	31.40	30.47	30.96	1.08	1.25	1.25	1.19	1.23
36000	7.61	7.62	7.64	7.79	0.18	1.29	34.01	30.49	34.14	1.21	1.19	1.15	1.16	1.10
37000	7.67	7.69	7.59	7.73	0.14	1.46	26.81	31.61	26.35	1.14	1.19	1.16	1.09	1.11
38000	7.77	7.77	7.75	7.91	0.16	1.17	25.55	33.41	25.44	1.33	1.21	1.15	1.14	1.08
39000	7.72	7.70	7.70	7.86	0.17	1.38	29.54	34.31	30.70	1.15	1.23	1.12	1.10	1.12
40000	7.76	7.76	7.72	7.86	0.14	1.46	32.55	34.15	36.32	1.12	1.20	1.13	1.18	1.08
41000	7.80	7.83	7.79	7.92	0.13	1.52	29.68	33.39	30.29	1.23	1.11	1.02	1.09	1.04
42000	7.82	7.82	7.78	7.95	0.16	1.22	27.87	32.49	28.97	1.04	1.20	1.08	1.04	1.11
43000	7.92	7.87	7.83	8.02	0.19	1.78	26.75	32.15	29.46	1.18	1.22	1.10	1.03	1.13
44000	7.96	7.92	7.91	8.08	0.17	1.41	37.06	33.23	49.77	1.18	1.32	1.21	1.15	1.17
45000	8.00	7.95	7.88	8.04	0.16	2.01	31.53	35.45	29.15	1.06	1.21	1.08	1.05	1.05
46000	8.10	8.06	8.07	8.23	0.17	1.39	27.80	38.40	27.32	1.29	1.30	1.18	1.19	1.17
47000	8.07	8.03	8.03	8.18	0.15	1.82	27.89	40.68	27.64	1.19	1.15	1.14	1.20	1.10
48000	8.07	8.07	8.04	8.18	0.14	1.62	30.48	42.09	29.95	1.11	1.15	1.07	1.17	1.08
50000	8.17	8.17	8.14	8.29	0.14	1.94	28.82	34.96	27.28	1.14	1.07	1.07	1.08	1.04

[1]Total Loss = Insertion Loss + 6dB Splitter Loss

Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS[1] (dB)				AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)			VSWR (:1)				
	S-1	S-2	S-3	S-4			1-2	1-4	3-4	S	1	2	3	4
26000	7.22	7.24	7.26	7.32	0.10	2.16	27.09	29.31	28.29	1.07	1.37	1.31	1.39	1.36
26500	7.23	7.26	7.31	7.35	0.12	2.21	41.15	29.69	38.53	1.18	1.36	1.32	1.38	1.32
27000	7.23	7.28	7.30	7.35	0.12	1.84	29.20	30.06	26.86	1.19	1.21	1.22	1.23	1.17
27500	7.24	7.30	7.25	7.27	0.06	2.12	24.56	30.49	23.20	1.08	1.07	1.09	1.08	1.04
28000	7.24	7.30	7.29	7.33	0.09	2.53	23.29	31.18	22.52	1.08	1.09	1.08	1.10	1.03
28500	7.29	7.34	7.37	7.46	0.17	2.27	23.74	32.10	23.55	1.20	1.08	1.10	1.10	1.05
29000	7.32	7.37	7.35	7.45	0.13	2.23	25.89	32.87	26.36	1.18	1.01	1.05	1.03	1.07
29500	7.29	7.34	7.33	7.40	0.10	2.42	29.93	33.44	30.79	1.05	1.11	1.07	1.08	1.10
30000	7.32	7.36	7.35	7.41	0.09	2.31	31.81	33.67	31.75	1.13	1.16	1.12	1.13	1.09
30500	7.37	7.42	7.37	7.42	0.06	2.53	28.66	33.51	28.90	1.17	1.16	1.14	1.14	1.08
31000	7.35	7.42	7.40	7.46	0.11	2.86	27.41	33.15	28.20	1.11	1.15	1.14	1.14	1.10
31500	7.34	7.41	7.43	7.49	0.15	2.64	28.64	32.59	29.49	1.03	1.15	1.15	1.16	1.12
32000	7.38	7.46	7.45	7.52	0.14	2.68	29.25	31.97	29.05	1.09	1.12	1.13	1.14	1.13
32500	7.40	7.47	7.51	7.60	0.20	2.70	26.05	31.44	25.50	1.13	1.05	1.08	1.08	1.10
33000	7.39	7.46	7.49	7.57	0.18	2.50	23.57	30.98	23.13	1.09	1.04	1.03	1.02	1.05
33500	7.43	7.50	7.43	7.49	0.07	2.58	22.93	30.49	22.50	1.03	1.05	1.04	1.02	1.01
34000	7.45	7.50	7.46	7.54	0.10	3.03	24.03	30.06	23.49	1.08	1.07	1.06	1.03	1.05
34500	7.45	7.50	7.53	7.64	0.20	2.77	26.97	29.76	26.40	1.09	1.17	1.15	1.10	1.11
35000	7.51	7.56	7.54	7.65	0.14	2.68	32.25	29.55	32.28	1.06	1.26	1.25	1.19	1.19
36000	7.58	7.62	7.68	7.77	0.19	2.68	30.81	29.66	30.44	1.23	1.20	1.16	1.18	1.16
37000	7.64	7.70	7.60	7.65	0.10	2.92	25.02	30.70	24.62	1.15	1.19	1.17	1.13	1.10
38000	7.75	7.79	7.79	7.91	0.16	3.09	25.42	32.52	25.42	1.35	1.17	1.15	1.16	1.11
39000	7.68	7.70	7.71	7.81	0.14	3.10	31.56	33.35	34.01	1.14	1.23	1.15	1.15	1.11
40000	7.71	7.75	7.73	7.81	0.10	3.11	29.65	33.25	31.55	1.10	1.18	1.14	1.22	1.15
41000	7.76	7.83	7.80	7.88	0.12	3.15	29.34	32.70	29.68	1.23	1.07	1.07	1.15	1.09
42000	7.76	7.80	7.80	7.92	0.16	3.64	26.69	31.98	28.02	1.04	1.13	1.05	1.08	1.02
43000	7.87	7.89	7.84	7.97	0.12	3.41	26.66	31.48	29.33	1.20	1.15	1.07	1.04	1.03
44000	7.87	7.90	7.94	8.06	0.19	3.54	40.12	32.37	44.04	1.15	1.24	1.18	1.17	1.12
45000	7.93	7.96	7.89	8.02	0.13	3.65	29.21	34.46	27.33	1.09	1.13	1.05	1.08	1.07
46000	8.04	8.08	8.10	8.22	0.18	3.69	26.38	37.30	26.25	1.31	1.22	1.17	1.21	1.13
47000	7.99	8.03	8.03	8.16	0.17	3.41	28.18	39.54	28.20	1.17	1.09	1.14	1.21	1.18
48000	8.00	8.08	8.07	8.21	0.21	3.72	33.05	40.77	32.53	1.11	1.11	1.12	1.24	1.18
50000	8.08	8.18	8.15	8.29	0.21	3.99	27.67	34.31	26.52	1.15	1.05	1.12	1.16	1.17

[1]Total Loss = Insertion Loss + 6dB Splitter Loss

Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS[1] (dB)				AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)			VSWR (:1)				
	S-1	S-2	S-3	S-4			1-2	1-4	3-4	S	1	2	3	4
26000	7.34	7.32	7.35	7.46	0.14	1.33	24.40	29.98	24.80	1.10	1.39	1.32	1.40	1.45
26500	7.36	7.36	7.38	7.47	0.11	1.49	33.78	30.44	36.50	1.20	1.38	1.34	1.41	1.40
27000	7.34	7.35	7.38	7.46	0.13	1.53	32.64	30.93	28.84	1.19	1.22	1.23	1.25	1.19
27500	7.34	7.37	7.33	7.48	0.15	1.47	25.47	31.57	23.41	1.07	1.04	1.08	1.07	1.01
28000	7.35	7.39	7.37	7.43	0.08	1.44	23.30	32.22	21.99	1.09	1.09	1.03	1.07	1.08
28500	7.39	7.41	7.44	7.40	0.06	1.26	23.19	33.06	22.51	1.18	1.07	1.06	1.07	1.04
29000	7.42	7.43	7.42	7.52	0.10	1.79	24.79	34.08	24.84	1.14	1.06	1.04	1.01	1.11
29500	7.42	7.42	7.40	7.61	0.21	1.42	28.10	34.79	28.76	1.05	1.16	1.09	1.10	1.19
30000	7.44	7.44	7.43	7.61	0.18	1.55	30.44	34.92	30.14	1.12	1.20	1.12	1.14	1.18
30500	7.48	7.49	7.45	7.51	0.06	1.68	28.03	34.56	27.43	1.16	1.16	1.13	1.14	1.11
31000	7.47	7.50	7.48	7.44	0.06	1.83	26.53	33.95	26.38	1.10	1.13	1.11	1.12	1.07
31500	7.45	7.50	7.52	7.55	0.10	1.91	27.47	33.41	27.78	1.03	1.10	1.12	1.12	1.05
32000	7.49	7.55	7.54	7.62	0.13	1.74	29.52	32.74	29.57	1.09	1.07	1.12	1.11	1.09
32500	7.51	7.56	7.59	7.72	0.21	1.76	27.33	32.20	26.44	1.13	1.09	1.10	1.10	1.15
33000	7.51	7.55	7.59	7.77	0.26	1.41	24.07	31.78	23.14	1.08	1.13	1.10	1.09	1.15
33500	7.55	7.58	7.52	7.64	0.12	1.38	22.64	31.26	21.77	1.05	1.13	1.08	1.05	1.11
34000	7.58	7.59	7.53	7.59	0.06	1.52	22.95	30.74	22.04	1.08	1.13	1.08	1.05	1.10
34500	7.57	7.58	7.61	7.69	0.12	1.58	25.06	30.45	24.13	1.04	1.21	1.17	1.13	1.17
35000	7.63	7.64	7.64	7.76	0.13	1.60	29.35	30.28	28.44	1.07	1.28	1.25	1.20	1.25
36000	7.70	7.71	7.75	7.84	0.15	1.72	32.85	30.40	32.45	1.19	1.18	1.16	1.17	1.16
37000	7.75	7.78	7.69	7.78	0.09	1.62	25.99	31.39	25.12	1.11	1.18	1.13	1.07	1.09
38000	7.86	7.86	7.85	7.94	0.09	1.62	25.05	33.15	24.49	1.31	1.19	1.13	1.12	1.09
39000	7.82	7.80	7.81	7.94	0.14	1.81	28.51	34.14	29.13	1.12	1.23	1.12	1.09	1.14
40000	7.87	7.86	7.83	7.93	0.09	2.03	30.32	34.11	32.84	1.11	1.20	1.13	1.17	1.12
41000	7.89	7.93	7.91	7.99	0.10	1.87	29.56	33.46	29.81	1.20	1.11	1.04	1.10	1.01
42000	7.94	7.94	7.90	8.01	0.12	1.98	27.35	32.63	27.93	1.03	1.23	1.09	1.02	1.11
43000	8.03	7.97	7.97	8.12	0.15	1.80	25.61	32.38	27.63	1.18	1.25	1.10	1.02	1.13
44000	8.07	8.02	8.02	8.15	0.12	2.24	34.29	33.44	44.36	1.16	1.37	1.21	1.15	1.20
45000	8.11	8.05	8.02	8.12	0.10	2.07	31.66	35.74	29.72	1.07	1.24	1.06	1.06	1.04
46000	8.20	8.16	8.17	8.28	0.12	2.56	27.57	38.55	26.96	1.24	1.34	1.15	1.16	1.16
47000	8.18	8.13	8.17	8.29	0.16	2.58	27.63	40.65	26.76	1.21	1.21	1.12	1.19	1.10
48000	8.16	8.16	8.16	8.25	0.10	2.84	29.41	42.35	28.59	1.07	1.20	1.05	1.15	1.07
50000	8.23	8.28	8.27	8.40	0.17	2.51	29.38	35.39	27.17	1.12	1.10	1.10	1.09	1.07

[1]Total Loss = Insertion Loss + 6dB Splitter Loss