4 Way-0° Power Splitter/Combiner ZN4PD1-ED10958A/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS[1] (dB)				AMP. UNBAL. (dB)	ISOLATION (dB)			PHASE UNBAL. (deg.)
	S-1	S-2	S-3	S-4		1-2	2-3	3-4	
100.0	7.75	7.75	7.77	7.75	0.02	4.80	11.90	4.82	0.07
200.0	7.14	7.14	7.15	7.14	0.02	5.75	15.29	5.76	0.18
250.0	6.81	6.80	6.82	6.81	0.01	6.79	16.38	6.80	0.23
300.0	6.53	6.52	6.54	6.54	0.01	8.11	17.31	8.11	0.19
350.0	6.35	6.34	6.35	6.36	0.01	9.77	18.25	9.76	0.22
400.0	6.27	6.27	6.27	6.28	0.01	11.83	19.33	11.80	0.24
450.0	6.28	6.27	6.27	6.28	0.01	14.41	20.65	14.35	0.21
500.0	6.32	6.32	6.31	6.32	0.01	17.65	22.26	17.56	0.16
550.0	6.37	6.36	6.36	6.37	0.01	21.74	24.19	21.63	0.14
600.0	6.40	6.39	6.39	6.40	0.01	26.92	26.49	26.80	0.13
800.0	6.42	6.41	6.42	6.42	0.01	36.46	41.11	36.71	0.24
1000.0	6.59	6.59	6.59	6.58	0.01	20.23	30.36	20.44	0.36
1200.0	6.58	6.58	6.57	6.58	0.01	19.20	28.06	19.25	0.38
1400.0	6.64	6.64	6.63	6.64	0.01	28.03	29.98	27.55	0.23
1600.0	6.68	6.66	6.67	6.67	0.01	45.12	38.36	43.17	0.30
1800.0	6.80	6.80	6.80	6.79	0.01	25.49	36.34	25.70	0.45
2000.0	6.89	6.91	6.90	6.87	0.04	20.73	30.32	20.89	0.56
2500.0	7.00	7.00	6.96	6.95	0.05	27.96	31.87	28.19	0.32
3000.0	7.04	7.07	7.00	6.98	0.09	20.53	32.58	20.92	0.55
3500.0	7.10	7.06	7.02	7.02	0.08	27.10	37.20	27.27	0.59
4000.0	7.22	7.24	7.18	7.13	0.11	21.07	33.11	21.18	0.50
4500.0	7.21	7.19	7.12	7.10	0.11	25.60	38.91	25.86	0.89
5000.0	7.29	7.31	7.24	7.18	0.13	27.23	37.55	26.79	0.76
5100.0	7.31	7.30	7.25	7.21	0.10	28.48	38.61	27.45	0.69
5200.0	7.35	7.32	7.26	7.24	0.10	27.37	39.10	26.45	0.85
5300.0	7.39	7.35	7.29	7.29	0.10	23.13	37.28	22.38	1.15
5400.0	7.42	7.37	7.31	7.31	0.11	19.85	34.34	19.17	1.48
5500.0	7.40	7.37	7.29	7.28	0.11	17.84	31.77	17.31	1.67
5600.0	7.36	7.37	7.27	7.24	0.13	16.79	29.40	16.44	1.79
5700.0	7.37	7.39	7.29	7.24	0.15	16.32	27.63	16.13	1.90
5800.0	7.41	7.44	7.35	7.29	0.15	16.38	26.46	16.27	1.72
6000.0	7.54	7.52	7.50	7.46	0.08	22.58	25.49	22.36	1.19
6200.0	7.88	7.76	7.67	7.75	0.21	17.13	26.13	17.43	1.44
6400.0	7.86	7.72	7.55	7.67	0.31	9.70	25.87	9.77	2.29
6600.0	7.51	7.44	7.43	7.41	0.10	9.97	22.25	10.03	2.57
6800.0	7.62	7.55	7.55	7.51	0.11	14.39	18.27	14.36	1.13
7000.0	7.98	7.84	7.65	7.67	0.33	10.14	15.71	10.06	0.86
7200.0	8.03	7.84	7.90	7.79	0.24	7.09	14.57	7.26	2.66
7400.0	8.25	8.08	8.39	8.32	0.31	5.61	15.46	5.80	2.02
7500.0	9.02	8.86	9.12	9.10	0.27	6.18	16.84	6.41	1.18
8000.0	8.41	8.22	8.36	8.41	0.19	9.47	18.18	9.09	1.93

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

FREQ. (MHz)	VSWR (:1)				
	S	1	2	3	4
100.0	3.53	2.35	2.35	2.35	2.35
200.0	2.63	1.65	1.65	1.65	1.65
250.0	2.16	1.45	1.45	1.46	1.46
300.0	1.75	1.31	1.31	1.31	1.32
350.0	1.43	1.21	1.21	1.21	1.21
400.0	1.20	1.15	1.15	1.15	1.15
450.0	1.13	1.14	1.15	1.14	1.14
500.0	1.20	1.15	1.16	1.15	1.15
550.0	1.27	1.16	1.17	1.16	1.16
600.0	1.29	1.16	1.16	1.16	1.16
800.0	1.06	1.03	1.03	1.02	1.03
1000.0	1.35	1.17	1.17	1.16	1.17
1200.0	1.19	1.10	1.10	1.09	1.10
1400.0	1.22	1.15	1.15	1.14	1.14
1600.0	1.13	1.11	1.10	1.10	1.09
1800.0	1.24	1.08	1.08	1.09	1.10
2000.0	1.31	1.15	1.14	1.15	1.15
2500.0	1.36	1.16	1.16	1.17	1.14
3000.0	1.23	1.13	1.11	1.13	1.13
3500.0	1.22	1.11	1.11	1.06	1.11
4000.0	1.33	1.14	1.13	1.16	1.16
4500.0	1.16	1.02	1.02	1.04	1.03
5000.0	1.21	1.11	1.07	1.10	1.11
5100.0	1.15	1.10	1.08	1.11	1.11
5200.0	1.16	1.13	1.10	1.14	1.13
5300.0	1.24	1.15	1.13	1.15	1.16
5400.0	1.28	1.16	1.13	1.13	1.16
5500.0	1.23	1.12	1.11	1.09	1.11
5600.0	1.13	1.07	1.07	1.04	1.04
5700.0	1.14	1.02	1.08	1.07	1.04
5800.0	1.24	1.11	1.16	1.17	1.14
6000.0	1.41	1.47	1.47	1.51	1.51
6200.0	1.70	1.73	1.66	1.71	1.77
6400.0	1.58	1.37	1.30	1.31	1.37
6600.0	1.16	1.57	1.49	1.58	1.60
6800.0	1.28	2.34	2.19	2.28	2.32
7000.0	1.51	2.22	2.08	2.05	2.10
7200.0	1.67	1.81	1.69	1.75	1.76
7400.0	2.09	1.83	1.73	1.89	1.89
7500.0	2.91	2.54	2.44	2.60	2.65
8000.0	1.90	2.61	2.46	2.36	2.39