

4 Way-0° Power Splitter/Combiner

ZN4PD1-ED12591/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹				AMP UNBAL. (dB)	ISOLATION			PHASE UNBAL. (Deg)	FREQ. (MHz)	VSWR				
	S1	S2	S3	S4		1-2	2-3	3-4			S	1	2	3	4
200.0	6.69	6.65	6.65	6.66	0.04	9.12	17.91	9.11	0.33	200.0	1.94	1.23	1.22	1.22	1.22
250.0	6.38	6.34	6.34	6.35	0.04	11.85	19.42	11.85	0.30	250.0	1.46	1.11	1.11	1.10	1.11
300.0	6.25	6.21	6.21	6.22	0.03	15.62	21.29	15.65	0.32	300.0	1.14	1.06	1.06	1.05	1.05
350.0	6.26	6.22	6.23	6.23	0.03	20.78	23.80	20.87	0.38	350.0	1.12	1.05	1.06	1.05	1.05
400.0	6.31	6.27	6.28	6.28	0.04	26.99	27.30	27.22	0.39	400.0	1.23	1.07	1.08	1.07	1.07
450.0	6.33	6.29	6.30	6.31	0.04	28.52	32.66	28.55	0.45	450.0	1.26	1.09	1.09	1.08	1.08
500.0	6.33	6.28	6.29	6.30	0.04	26.58	42.85	26.46	0.45	500.0	1.21	1.10	1.11	1.10	1.09
550.0	6.33	6.28	6.29	6.30	0.05	25.27	37.41	25.16	0.47	550.0	1.16	1.10	1.11	1.10	1.09
600.0	6.36	6.30	6.31	6.32	0.05	23.80	31.51	23.78	0.52	600.0	1.20	1.10	1.11	1.10	1.09
650.0	6.42	6.37	6.38	6.39	0.05	22.33	28.54	22.39	0.52	650.0	1.31	1.09	1.10	1.10	1.09
700.0	6.49	6.44	6.45	6.46	0.05	21.51	26.88	21.64	0.55	700.0	1.42	1.10	1.11	1.11	1.09
750.0	6.53	6.48	6.49	6.50	0.05	21.62	25.99	21.80	0.59	750.0	1.46	1.12	1.13	1.12	1.10
800.0	6.53	6.48	6.50	6.50	0.04	22.95	25.64	23.18	0.62	800.0	1.45	1.13	1.14	1.13	1.11
850.0	6.50	6.46	6.47	6.47	0.04	25.65	25.76	25.88	0.66	850.0	1.37	1.14	1.14	1.14	1.11
900.0	6.46	6.43	6.44	6.43	0.03	28.59	26.37	28.68	0.72	900.0	1.28	1.12	1.12	1.12	1.10
950.0	6.44	6.42	6.42	6.42	0.03	27.40	27.55	27.32	0.76	950.0	1.20	1.09	1.08	1.09	1.07
970.0	6.44	6.41	6.42	6.42	0.03	26.21	28.21	26.16	0.79	970.0	1.19	1.07	1.07	1.08	1.05
980.0	6.44	6.42	6.42	6.42	0.03	25.67	28.59	25.64	0.81	980.0	1.18	1.07	1.06	1.07	1.04
990.0	6.44	6.42	6.42	6.42	0.03	25.18	29.00	25.16	0.83	990.0	1.18	1.06	1.05	1.06	1.04
1000.0	6.45	6.42	6.42	6.42	0.03	24.74	29.45	24.74	0.84	1000.0	1.18	1.05	1.04	1.05	1.03
1100.0	6.47	6.44	6.44	6.45	0.03	23.60	37.13	23.73	0.88	1100.0	1.16	1.07	1.05	1.04	1.05
1200.0	6.52	6.49	6.48	6.49	0.04	26.34	36.81	26.49	0.92	1200.0	1.04	1.11	1.09	1.08	1.08
1300.0	6.55	6.52	6.51	6.52	0.04	24.22	29.40	24.19	1.09	1300.0	1.20	1.08	1.07	1.07	1.05
1400.0	6.64	6.63	6.61	6.63	0.02	23.30	26.47	23.43	1.07	1400.0	1.38	1.10	1.11	1.11	1.09
1500.0	6.65	6.64	6.63	6.64	0.01	28.83	25.57	28.76	1.25	1500.0	1.37	1.15	1.14	1.15	1.12
1600.0	6.62	6.61	6.61	6.62	0.01	24.74	26.28	24.32	1.42	1600.0	1.28	1.10	1.09	1.10	1.06
1700.0	6.68	6.66	6.66	6.67	0.02	19.79	28.86	19.73	1.43	1700.0	1.35	1.04	1.04	1.03	1.06
1800.0	6.74	6.71	6.71	6.73	0.03	19.82	33.16	19.91	1.65	1800.0	1.41	1.17	1.15	1.17	1.18
1900.0	6.73	6.70	6.70	6.71	0.04	22.98	33.40	23.16	1.74	1900.0	1.33	1.24	1.21	1.24	1.22
2000.0	6.75	6.73	6.75	6.74	0.02	27.14	29.61	27.64	1.78	2000.0	1.33	1.25	1.22	1.26	1.22
2100.0	6.83	6.83	6.86	6.83	0.03	37.24	27.54	38.84	1.59	2100.0	1.41	1.26	1.23	1.27	1.21
2200.0	6.85	6.86	6.87	6.83	0.04	25.38	27.16	24.15	1.79	2200.0	1.35	1.18	1.17	1.19	1.13
2300.0	6.84	6.84	6.86	6.84	0.02	19.09	28.40	18.40	1.87	2300.0	1.34	1.05	1.02	1.02	1.03
2400.0	6.94	6.93	6.95	6.96	0.03	17.90	31.80	17.41	1.90	2400.0	1.51	1.23	1.17	1.20	1.22
2500.0	7.00	6.97	6.98	7.01	0.04	20.50	37.16	20.16	1.95	2500.0	1.52	1.39	1.31	1.36	1.36
2600.0	6.93	6.92	6.91	6.93	0.02	27.41	34.77	27.47	2.06	2600.0	1.34	1.41	1.34	1.38	1.37
2700.0	6.91	6.94	6.93	6.93	0.03	39.45	30.35	44.09	2.23	2700.0	1.31	1.36	1.31	1.35	1.31
2800.0	6.98	7.05	7.02	7.00	0.07	30.30	28.09	29.14	2.30	2800.0	1.43	1.32	1.29	1.32	1.27
2900.0	7.01	7.11	7.06	7.05	0.09	20.83	27.05	20.46	2.56	2900.0	1.41	1.19	1.19	1.19	1.15
3000.0	7.18	7.26	7.22	7.22	0.08	17.24	26.69	17.12	2.73	3000.0	1.35	1.10	1.03	1.10	1.07
3100.0	7.61	7.70	7.67	7.67	0.09	17.39	27.10	17.45	2.94	3100.0	1.28	1.36	1.26	1.34	1.32
3200.0	7.37	7.42	7.39	7.41	0.05	22.70	28.32	23.01	2.89	3200.0	1.41	1.53	1.42	1.50	1.47
3300.0	7.17	7.22	7.19	7.19	0.05	30.18	26.75	29.31	3.08	3300.0	1.39	1.49	1.42	1.47	1.44
3400.0	7.10	7.16	7.14	7.10	0.06	23.13	25.27	22.96	3.32	3400.0	1.40	1.36	1.33	1.37	1.33
3500.0	7.05	7.14	7.12	7.07	0.08	19.13	24.78	19.28	3.51	3500.0	1.36	1.20	1.21	1.24	1.19
3600.0	7.15	7.22	7.20	7.17	0.08	16.88	25.51	17.00	3.60	3600.0	1.44	1.12	1.10	1.13	1.11
3700.0	7.31	7.36	7.34	7.35	0.06	17.22	27.58	17.35	3.71	3700.0	1.61	1.29	1.24	1.26	1.28
3800.0	7.29	7.34	7.32	7.34	0.06	21.01	30.86	21.33	3.84	3800.0	1.53	1.42	1.35	1.37	1.40
3900.0	7.14	7.23	7.19	7.21	0.09	23.23	33.63	23.11	3.69	3900.0	1.21	1.36	1.32	1.32	1.35
4000.0	7.11	7.29	7.21	7.24	0.18	18.78	32.42	18.38	3.73	4000.0	1.21	1.29	1.28	1.27	1.27
4100.0	7.13	7.38	7.28	7.31	0.25	17.73	30.52	17.34	3.77	4100.0	1.30	1.34	1.36	1.36	1.33
4200.0	7.10	7.37	7.25	7.32	0.26	18.67	29.66	18.38	3.69	4200.0	1.15	1.36	1.38	1.40	1.37
4300.0	7.21	7.43	7.31	7.42	0.22	19.34	30.10	19.50	3.59	4300.0	1.27	1.35	1.35	1.36	1.37
4400.0	7.34	7.53	7.39	7.53	0.19	20.62	32.50	21.33	3.77	4400.0	1.41	1.35	1.34	1.33	1.38
4500.0	7.29	7.47	7.35	7.47	0.18	23.00	37.55	23.62	4.09	4500.0	1.28	1.33	1.32	1.29	1.35
4700.0	7.34	7.56	7.52	7.53	0.23	22.16	34.32	21.76	4.57	4700.0	1.30	1.29	1.33	1.32	1.31
4900.0	7.38	7.56	7.52	7.56	0.19	20.11	29.92	20.79	4.45	4900.0	1.23	1.27	1.31	1.32	1.29
5000.0	7.62	7.77	7.70	7.82	0.19	21.11	29.73	22.02	4.53	5000.0	1.56	1.35	1.36	1.36	1.36
5100.0	7.62	7.77	7.69	7.86	0.25	27.36	31.25	27.36	4.64	5100.0	1.51	1.35	1.36	1.33	1.37
5300.0	7.43	7.77	7.63	7.80	0.37	20.51	53.99	20.15	4.60	5300.0	1.18	1.21	1.25	1.21	1.29
5500.0	7.70	8.07	7.89	8.08	0.38	20.89	30.98	20.63	4.62	5500.0	1.11	1.23	1.33	1.26	1.32
5700.0	7.85	8.14	7.97	8.29	0.44	18.91	30.53	18.99	4.33	5700.0	1.38	1.26	1.34	1.27	1.37
6000.0	7.82	8.17	8.04	8.17	0.34	20.51	31.74	19.74	4.89	6000.0	1.04	1.24	1.32	1.20	1.30
6100.0	8.43	8.73	8.74	8.84	0.41	16.56	26.27	15.39	5.38	6100.0	1.78	1.01	1.11	1.02	1.08

¹Total Loss = Insertion Loss + 6dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

REV. X2

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