

3 Way-0° Power Splitter/Combiner

ZN3PD-ED10853/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)			AMP. UNBAL. (dB)	ISOLATION (dB)			PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)			
	S-1	S-2	S-3		1-2	1-3	2-3			S	1	2	3
450.0	5.47	5.42	5.45	0.04	14.59	13.48	14.13	0.46	450.0	2.08	1.24	1.20	1.23
475.0	5.42	5.38	5.40	0.04	14.77	13.94	14.72	0.48	475.0	2.00	1.21	1.17	1.20
500.0	5.39	5.34	5.37	0.05	15.40	14.43	15.36	0.50	500.0	1.93	1.18	1.14	1.17
525.0	5.32	5.28	5.30	0.05	16.05	14.91	16.01	0.61	525.0	1.86	1.15	1.12	1.15
550.0	5.26	5.23	5.23	0.04	16.76	15.43	16.72	0.62	550.0	1.78	1.13	1.10	1.13
575.0	5.21	5.18	5.20	0.04	17.57	16.01	17.54	0.57	575.0	1.71	1.11	1.09	1.11
600.0	5.17	5.13	5.15	0.04	18.45	16.64	18.43	0.68	600.0	1.63	1.09	1.08	1.09
625.0	5.13	5.09	5.10	0.04	19.46	17.32	19.43	0.73	625.0	1.56	1.08	1.07	1.07
650.0	5.09	5.05	5.06	0.04	20.61	18.07	20.59	0.75	650.0	1.49	1.06	1.06	1.06
675.0	5.06	5.01	5.02	0.04	21.95	18.90	21.95	0.74	675.0	1.42	1.05	1.06	1.04
700.0	5.02	4.97	4.99	0.05	23.56	19.85	23.57	0.75	700.0	1.36	1.04	1.06	1.03
725.0	4.99	4.95	4.96	0.04	25.56	20.93	25.58	0.76	725.0	1.29	1.03	1.06	1.02
750.0	4.96	4.92	4.92	0.04	28.20	22.18	28.24	0.80	750.0	1.23	1.02	1.06	1.02
760.0	4.95	4.91	4.91	0.05	29.45	22.74	29.58	0.88	760.0	1.21	1.02	1.06	1.02
770.0	4.95	4.91	4.91	0.04	31.03	23.34	31.19	0.82	770.0	1.18	1.01	1.06	1.02
780.0	4.95	4.90	4.90	0.05	32.88	23.98	33.16	0.82	780.0	1.16	1.01	1.07	1.02
790.0	4.93	4.89	4.89	0.04	35.16	24.69	35.66	0.80	790.0	1.14	1.01	1.07	1.02
800.0	4.94	4.89	4.89	0.05	37.95	25.46	39.14	0.78	800.0	1.11	1.01	1.07	1.02
810.0	4.93	4.88	4.89	0.06	41.22	26.32	44.51	0.93	810.0	1.09	1.01	1.07	1.02
820.0	4.93	4.88	4.89	0.05	42.38	27.26	48.87	0.95	820.0	1.07	1.00	1.07	1.02
830.0	4.92	4.88	4.89	0.04	39.86	28.30	42.65	0.97	830.0	1.05	1.00	1.07	1.02
840.0	4.92	4.88	4.89	0.04	36.71	29.49	37.96	1.00	840.0	1.03	1.01	1.07	1.02
850.0	4.92	4.88	4.88	0.04	34.07	30.84	34.84	0.98	850.0	1.01	1.01	1.07	1.02
860.0	4.92	4.89	4.88	0.04	32.01	32.46	32.52	0.99	860.0	1.01	1.01	1.07	1.02
870.0	4.92	4.89	4.87	0.05	30.32	34.37	30.68	0.93	870.0	1.03	1.01	1.08	1.02
880.0	4.93	4.88	4.88	0.05	28.85	36.67	29.17	0.86	880.0	1.06	1.01	1.08	1.02
890.0	4.93	4.89	4.88	0.05	27.60	39.61	27.86	0.95	890.0	1.08	1.01	1.08	1.02
900.0	4.94	4.88	4.90	0.06	26.50	42.15	26.75	0.91	900.0	1.10	1.01	1.08	1.02
925.0	4.97	4.91	4.92	0.06	24.27	37.99	24.48	1.09	925.0	1.16	1.00	1.08	1.02
950.0	4.98	4.94	4.93	0.05	22.52	32.45	22.68	1.08	950.0	1.22	1.00	1.09	1.02
975.0	5.01	4.96	4.95	0.06	21.05	28.85	21.22	0.98	975.0	1.28	1.00	1.09	1.01
1000.0	5.04	4.98	4.99	0.06	19.81	26.36	20.01	1.03	1000.0	1.34	1.01	1.10	1.01
1025.0	5.08	5.02	5.03	0.07	18.75	24.42	18.95	1.25	1025.0	1.41	1.02	1.11	1.00
1050.0	5.12	5.08	5.06	0.06	17.84	22.86	18.03	1.14	1050.0	1.48	1.03	1.11	1.01
1075.0	5.18	5.12	5.12	0.06	17.02	21.56	17.23	1.04	1075.0	1.55	1.04	1.13	1.02
1100.0	5.22	5.15	5.15	0.07	16.27	20.43	16.49	1.15	1100.0	1.63	1.05	1.14	1.03
1125.0	5.28	5.20	5.21	0.08	15.62	19.47	15.85	1.23	1125.0	1.70	1.06	1.15	1.05
1150.0	5.35	5.28	5.28	0.07	15.04	18.62	15.28	1.26	1150.0	1.78	1.08	1.17	1.06
1175.0	5.41	5.34	5.34	0.07	14.50	17.88	14.76	1.23	1175.0	1.86	1.09	1.19	1.08
1200.0	5.47	5.39	5.39	0.08	13.99	17.18	14.27	1.26	1200.0	1.94	1.11	1.21	1.10

¹Total Loss = Insertion Loss + 4.8dB Splitter Loss



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site
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IF/RF MICROWAVE COMPONENTS

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9/20/2010

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