

8 Way-0° Power Splitter/Combiner

ZB8PD-ED14784/4

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	S-4	S-6	S-8		1-2	1-3	3-4	5-6			S	1	8
2000.0	9.83	9.80	9.80	9.87	9.82	9.82	0.08	18.40	20.24	18.06	18.00	1.5	2000.0	2.01	1.21	1.20
2100.0	9.79	9.76	9.81	9.89	9.83	9.78	0.14	20.10	20.34	19.94	19.91	1.7	2100.0	1.87	1.25	1.24
2200.0	9.69	9.68	9.72	9.81	9.73	9.67	0.14	21.29	20.62	21.52	21.51	2.1	2200.0	1.66	1.26	1.25
2300.0	9.53	9.53	9.53	9.63	9.52	9.50	0.13	21.87	21.08	22.22	22.25	2.3	2300.0	1.44	1.26	1.25
2400.0	9.41	9.42	9.39	9.49	9.37	9.37	0.12	21.95	21.76	22.30	22.33	2.1	2400.0	1.26	1.24	1.22
2500.0	9.35	9.36	9.33	9.41	9.30	9.31	0.11	21.73	22.67	22.12	22.09	2.0	2500.0	1.14	1.20	1.19
2600.0	9.32	9.33	9.31	9.37	9.29	9.30	0.08	21.39	23.82	21.90	21.75	2.0	2600.0	1.07	1.17	1.16
2700.0	9.31	9.31	9.29	9.33	9.30	9.31	0.03	21.02	25.17	21.65	21.40	2.1	2700.0	1.03	1.15	1.13
2800.0	9.31	9.31	9.28	9.30	9.30	9.32	0.05	20.70	26.71	21.42	21.08	2.2	2800.0	1.02	1.14	1.13
2900.0	9.33	9.33	9.28	9.28	9.31	9.34	0.08	20.45	28.47	21.26	20.88	2.4	2900.0	1.08	1.14	1.13
3000.0	9.35	9.37	9.29	9.29	9.32	9.37	0.09	20.26	30.45	21.12	20.77	2.6	3000.0	1.15	1.14	1.13
3100.0	9.40	9.44	9.33	9.32	9.36	9.41	0.12	20.10	32.61	20.98	20.71	2.8	3100.0	1.24	1.14	1.12
3200.0	9.45	9.50	9.39	9.37	9.41	9.45	0.15	20.00	34.95	20.83	20.64	3.0	3200.0	1.34	1.13	1.11
3300.0	9.49	9.54	9.44	9.42	9.45	9.48	0.14	20.00	38.12	20.71	20.57	3.1	3300.0	1.43	1.12	1.10
3400.0	9.50	9.55	9.46	9.45	9.47	9.49	0.13	20.17	43.51	20.71	20.63	3.1	3400.0	1.46	1.10	1.08
3500.0	9.48	9.53	9.42	9.44	9.44	9.47	0.11	20.59	54.53	20.94	20.91	3.2	3500.0	1.43	1.07	1.06
3600.0	9.43	9.47	9.38	9.42	9.41	9.42	0.09	21.30	42.20	21.42	21.46	3.2	3600.0	1.32	1.05	1.04
3700.0	9.37	9.41	9.37	9.41	9.39	9.36	0.05	22.17	36.25	22.12	22.14	3.4	3700.0	1.19	1.02	1.02
3800.0	9.34	9.37	9.39	9.43	9.42	9.33	0.10	22.84	32.77	22.86	22.61	3.6	3800.0	1.07	1.03	1.03
3900.0	9.34	9.37	9.44	9.50	9.46	9.32	0.18	22.98	30.54	23.39	22.60	3.9	3900.0	1.08	1.04	1.04
4000.0	9.36	9.39	9.52	9.61	9.55	9.35	0.26	22.75	29.23	23.70	22.36	4.2	4000.0	1.16	1.04	1.05
4100.0	9.41	9.44	9.68	9.75	9.70	9.41	0.34	22.77	28.69	24.13	22.49	4.4	4100.0	1.22	1.04	1.05
4200.0	9.50	9.52	9.84	9.86	9.85	9.49	0.37	23.51	28.78	25.03	23.27	4.8	4200.0	1.26	1.07	1.07
4300.0	9.54	9.61	9.86	9.86	9.86	9.51	0.35	25.34	29.38	26.55	24.86	5.6	4300.0	1.23	1.11	1.12
4400.0	9.53	9.63	9.78	9.79	9.76	9.48	0.32	28.89	30.93	29.55	28.10	5.9	4400.0	1.17	1.15	1.16
4500.0	9.52	9.61	9.70	9.71	9.68	9.45	0.26	33.90	34.06	37.20	34.40	4.2	4500.0	1.16	1.18	1.19
4600.0	9.48	9.59	9.67	9.62	9.68	9.44	0.24	30.74	40.51	36.15	31.90	2.2	4600.0	1.16	1.19	1.21
4700.0	9.44	9.59	9.67	9.57	9.71	9.45	0.28	25.62	45.96	28.00	25.91	2.3	4700.0	1.13	1.18	1.20
4800.0	9.47	9.63	9.71	9.56	9.74	9.50	0.27	22.81	34.14	24.40	22.92	2.7	4800.0	1.17	1.16	1.18
4900.0	9.52	9.65	9.69	9.55	9.71	9.52	0.19	21.69	28.90	22.70	21.73	3.3	4900.0	1.27	1.16	1.16
5000.0	9.53	9.67	9.59	9.53	9.59	9.49	0.18	22.24	26.02	22.12	22.25	3.7	5000.0	1.29	1.15	1.14
5100.0	9.51	9.69	9.54	9.49	9.53	9.44	0.28	24.06	24.90	22.35	24.22	3.7	5100.0	1.23	1.14	1.11
5200.0	9.50	9.73	9.54	9.45	9.52	9.40	0.39	25.50	24.93	23.18	25.72	3.4	5200.0	1.12	1.14	1.11
5300.0	9.54	9.77	9.56	9.45	9.55	9.42	0.42	25.74	25.28	24.35	25.64	2.9	5300.0	1.05	1.15	1.12
5400.0	9.60	9.75	9.56	9.45	9.57	9.47	0.41	25.91	25.38	25.61	25.28	3.1	5400.0	1.16	1.16	1.14
5500.0	9.68	9.68	9.55	9.46	9.59	9.53	0.39	26.47	25.27	26.79	25.25	3.7	5500.0	1.25	1.17	1.14
5600.0	9.76	9.63	9.59	9.51	9.65	9.57	0.29	27.25	25.10	27.47	25.47	4.3	5600.0	1.25	1.17	1.14
5700.0	9.79	9.60	9.64	9.60	9.70	9.56	0.22	27.99	25.02	27.34	25.80	4.4	5700.0	1.18	1.18	1.13
5800.0	9.75	9.64	9.67	9.73	9.73	9.54	0.21	28.75	24.89	26.88	26.41	4.3	5800.0	1.11	1.17	1.12
5900.0	9.78	9.77	9.76	9.92	9.80	9.58	0.34	29.02	24.56	26.53	26.99	4.8	5900.0	1.22	1.18	1.10
6000.0	9.88	9.89	9.88	10.09	9.95	9.71	0.38	28.34	24.46	26.18	27.00	5.3	6000.0	1.36	1.14	1.09
6100.0	9.94	9.95	9.96	10.15	10.03	9.81	0.34	26.77	24.85	25.19	26.09	5.5	6100.0	1.40	1.08	1.12
6200.0	9.92	9.95	9.97	10.15	10.05	9.86	0.29	24.25	25.90	23.13	23.93	5.6	6200.0	1.29	1.09	1.20
6300.0	9.91	10.01	10.02	10.20	10.09	9.92	0.29	21.49	27.86	20.56	21.25	5.7	6300.0	1.18	1.19	1.32
6400.0	10.02	10.20	10.18	10.38	10.22	10.06	0.37	19.17	31.31	18.30	18.86	5.8	6400.0	1.40	1.35	1.45
6500.0	10.21	10.46	10.42	10.62	10.41	10.23	0.41	17.51	36.33	16.65	17.06	5.5	6500.0	1.78	1.49	1.56
7000.0	9.47	9.68	9.89	9.79	9.89	9.55	0.42	18.36	22.25	16.82	16.98	5.1	7000.0	1.14	1.40	1.41

¹Total Loss = Insertion Loss + 9dB 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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