

4 Way-0° Power Splitter/Combiner

ZB4PD1-ED17182/1

Typical Performance Data

FREQ.	TOTAL LOSS ¹				AMP. UNBAL.	ISOLATION			PHASE UNBAL.	FREQ.	VSWR				
(MHz)	(dB)				(dB)	(dB)			(deg.)	(MHz)	(:1)				
	S-1	S-2	S-3	S-4		1-2	2-3	3-4			S	1	2	3	4
0.1	6.29	6.28	6.28	6.28	0.01	27.11	58.82	28.03	0.04	0.1	1.17	1.28	1.28	1.27	1.27
0.2	6.24	6.24	6.24	6.24	0.00	29.50	61.03	30.61	0.03	0.2	1.12	1.20	1.20	1.19	1.19
0.2	6.22	6.22	6.22	6.22	0.00	31.22	61.88	32.40	0.03	0.2	1.10	1.16	1.16	1.15	1.15
0.3	6.21	6.21	6.21	6.21	0.00	32.48	63.51	33.73	0.01	0.3	1.08	1.13	1.13	1.13	1.13
0.3	6.20	6.20	6.20	6.20	0.00	33.54	63.19	34.74	0.03	0.3	1.07	1.12	1.12	1.11	1.11
0.5	6.17	6.17	6.17	6.17	0.00	36.59	63.41	37.62	0.02	0.5	1.05	1.08	1.08	1.08	1.08
0.8	6.16	6.15	6.15	6.16	0.00	38.74	62.03	39.77	0.02	0.8	1.04	1.06	1.06	1.06	1.06
1.0	6.15	6.15	6.15	6.14	0.00	40.20	60.64	41.36	0.02	1.0	1.03	1.05	1.05	1.05	1.05
1.5	6.14	6.13	6.14	6.13	0.00	42.12	59.62	43.46	0.02	1.5	1.02	1.04	1.04	1.04	1.04
2.0	6.13	6.13	6.13	6.13	0.00	43.17	59.35	44.53	0.01	2.0	1.02	1.04	1.04	1.03	1.03
2.5	6.13	6.13	6.13	6.13	0.00	43.91	57.94	45.45	0.01	2.5	1.02	1.03	1.03	1.03	1.03
3.0	6.13	6.13	6.13	6.13	0.00	44.44	56.62	45.71	0.02	3.0	1.02	1.03	1.03	1.03	1.03
5.0	6.14	6.14	6.13	6.13	0.01	44.72	54.36	45.80	0.03	5.0	1.02	1.03	1.03	1.02	1.03
10.0	6.16	6.15	6.15	6.15	0.01	43.24	49.99	43.61	0.05	10.0	1.02	1.02	1.02	1.02	1.02
20.0	6.19	6.18	6.18	6.18	0.01	40.63	45.74	40.58	0.08	20.0	1.03	1.02	1.02	1.02	1.02
30.0	6.21	6.20	6.20	6.20	0.01	38.76	43.15	38.49	0.12	30.0	1.04	1.02	1.02	1.02	1.02
40.0	6.23	6.22	6.22	6.22	0.01	37.32	41.32	36.91	0.15	40.0	1.05	1.01	1.01	1.01	1.01
50.0	6.25	6.24	6.24	6.24	0.01	36.20	39.94	35.67	0.17	50.0	1.06	1.01	1.01	1.01	1.01
60.0	6.27	6.26	6.25	6.25	0.02	35.28	38.79	34.64	0.20	60.0	1.07	1.01	1.01	1.01	1.01
70.0	6.29	6.28	6.27	6.27	0.02	34.49	37.84	33.78	0.23	70.0	1.08	1.00	1.01	1.00	1.00
80.0	6.31	6.30	6.29	6.29	0.02	33.85	37.06	33.06	0.25	80.0	1.08	1.00	1.00	1.00	1.00
90.0	6.32	6.32	6.31	6.30	0.02	33.25	36.27	32.41	0.28	90.0	1.09	1.00	1.01	1.01	1.01
100.0	6.34	6.33	6.32	6.32	0.02	32.80	35.69	31.91	0.32	100.0	1.10	1.01	1.01	1.01	1.01
110.0	6.36	6.35	6.34	6.33	0.02	32.43	35.16	31.49	0.34	110.0	1.10	1.01	1.02	1.02	1.01
120.0	6.37	6.37	6.35	6.35	0.03	32.18	34.78	31.18	0.37	120.0	1.11	1.02	1.02	1.02	1.02
130.0	6.39	6.38	6.37	6.36	0.03	32.01	34.46	30.94	0.40	130.0	1.11	1.02	1.03	1.02	1.02
140.0	6.41	6.40	6.38	6.38	0.03	31.93	34.21	30.77	0.44	140.0	1.12	1.03	1.03	1.03	1.03
150.0	6.42	6.41	6.40	6.39	0.03	31.91	34.02	30.66	0.48	150.0	1.12	1.03	1.04	1.03	1.03
160.0	6.44	6.43	6.41	6.40	0.04	31.94	33.88	30.59	0.51	160.0	1.12	1.03	1.04	1.04	1.04
180.0	6.47	6.47	6.44	6.43	0.04	32.21	33.75	30.67	0.57	180.0	1.12	1.04	1.05	1.05	1.04
200.0	6.50	6.50	6.47	6.46	0.04	32.80	33.92	31.05	0.64	200.0	1.12	1.05	1.06	1.06	1.05
220.0	6.53	6.53	6.50	6.49	0.05	33.71	34.51	31.72	0.71	220.0	1.11	1.06	1.07	1.06	1.06
240.0	6.56	6.56	6.53	6.51	0.05	34.51	35.49	32.43	0.78	240.0	1.10	1.07	1.07	1.07	1.06
260.0	6.60	6.60	6.56	6.54	0.06	34.54	36.80	32.80	0.84	260.0	1.09	1.07	1.07	1.07	1.07
280.0	6.63	6.64	6.59	6.57	0.07	33.40	38.19	32.49	0.92	280.0	1.07	1.07	1.07	1.08	1.07
300.0	6.67	6.68	6.63	6.61	0.07	31.36	38.60	31.28	1.01	300.0	1.08	1.06	1.07	1.07	1.06
320.0	6.73	6.74	6.68	6.65	0.08	28.99	36.40	29.35	1.11	320.0	1.11	1.05	1.06	1.06	1.06
340.0	6.79	6.81	6.75	6.72	0.09	26.79	32.95	27.25	1.20	340.0	1.17	1.04	1.05	1.05	1.05
360.0	6.88	6.90	6.84	6.80	0.10	24.86	29.72	25.31	1.31	360.0	1.26	1.03	1.03	1.05	1.04
380.0	7.01	7.03	6.97	6.93	0.10	23.21	26.92	23.61	1.43	380.0	1.39	1.04	1.03	1.05	1.05
400.0	7.19	7.22	7.15	7.11	0.11	21.78	24.46	22.12	1.56	400.0	1.55	1.07	1.06	1.07	1.07

¹Total Loss = Insertion Loss + 6dB Splitter Loss



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