

4 Way-0° Power Splitter/Combiner

ZB4PD1-ED5458A/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)				AMP. UNBAL. (dB)	ISOLATION (dB)			PHASE UNBAL. (dB)	FREQ. (MHz)	VSWR (:1)				
	S-1	S-2	S-3	S-4		1-2	1-3	3-4			S	1	2	3	4
0.3	6.65	6.64	6.66	6.65	0.01	33.22	27.31	35.34	0.05	0.3	1.48	1.86	1.86	1.84	1.84
0.5	6.55	6.55	6.56	6.55	0.01	37.36	30.93	39.22	0.03	0.5	1.29	1.47	1.48	1.47	1.47
0.7	6.55	6.55	6.56	6.55	0.01	40.17	33.27	41.71	0.04	0.7	1.22	1.35	1.35	1.35	1.35
0.9	6.56	6.56	6.57	6.56	0.01	42.38	34.94	43.69	0.04	0.9	1.19	1.29	1.29	1.29	1.29
1.0	6.57	6.57	6.58	6.57	0.01	43.28	35.64	44.56	0.04	1.0	1.19	1.27	1.27	1.27	1.27
2.0	6.54	6.54	6.55	6.54	0.01	49.95	41.13	51.80	0.05	2.0	1.16	1.19	1.19	1.19	1.19
3.0	6.47	6.47	6.47	6.47	0.01	52.96	43.98	53.97	0.04	3.0	1.13	1.16	1.16	1.16	1.16
4.0	6.41	6.41	6.42	6.41	0.01	53.13	44.30	52.54	0.04	4.0	1.12	1.14	1.14	1.14	1.14
5.0	6.37	6.38	6.38	6.37	0.01	52.43	43.93	51.34	0.04	5.0	1.10	1.12	1.12	1.12	1.12
10.0	6.34	6.34	6.35	6.34	0.01	49.28	42.44	48.09	0.12	10.0	1.07	1.10	1.10	1.10	1.10
15.0	6.33	6.33	6.35	6.33	0.01	47.76	41.83	46.55	0.12	15.0	1.06	1.09	1.09	1.10	1.10
20.0	6.32	6.32	6.33	6.32	0.01	46.87	41.37	45.57	0.11	20.0	1.06	1.09	1.09	1.09	1.09
25.0	6.32	6.32	6.34	6.33	0.01	46.01	40.98	44.68	0.11	25.0	1.06	1.09	1.09	1.09	1.09
30.0	6.33	6.33	6.34	6.33	0.01	45.34	40.69	43.94	0.11	30.0	1.06	1.09	1.09	1.09	1.09
35.0	6.33	6.33	6.35	6.34	0.01	44.74	40.41	43.21	0.12	35.0	1.06	1.09	1.09	1.09	1.09
40.0	6.34	6.34	6.36	6.35	0.01	44.11	40.14	42.57	0.13	40.0	1.06	1.09	1.09	1.10	1.09
45.0	6.35	6.35	6.37	6.36	0.01	43.50	39.98	41.95	0.13	45.0	1.06	1.09	1.09	1.10	1.09
50.0	6.36	6.36	6.37	6.36	0.01	42.94	39.77	41.32	0.14	50.0	1.06	1.09	1.09	1.10	1.09
60.0	6.38	6.38	6.39	6.38	0.01	41.75	39.32	40.11	0.16	60.0	1.06	1.09	1.09	1.10	1.09
70.0	6.39	6.39	6.40	6.39	0.01	40.67	38.85	39.02	0.18	70.0	1.06	1.09	1.09	1.10	1.09
80.0	6.40	6.40	6.41	6.40	0.01	39.70	38.30	38.03	0.22	80.0	1.06	1.09	1.09	1.09	1.09
90.0	6.41	6.41	6.42	6.41	0.01	38.84	37.78	37.16	0.24	90.0	1.06	1.09	1.09	1.09	1.09
100.0	6.42	6.42	6.43	6.42	0.01	38.10	37.32	36.40	0.26	100.0	1.06	1.09	1.09	1.09	1.09
150.0	6.48	6.48	6.49	6.47	0.02	35.17	35.48	33.37	0.38	150.0	1.07	1.08	1.08	1.08	1.08
200.0	6.52	6.53	6.54	6.51	0.02	33.37	34.00	31.48	0.52	200.0	1.09	1.07	1.07	1.06	1.06
250.0	6.56	6.57	6.57	6.55	0.03	31.98	32.73	30.03	0.63	250.0	1.10	1.05	1.05	1.04	1.05
300.0	6.60	6.62	6.62	6.59	0.03	31.05	31.68	29.08	0.77	300.0	1.12	1.03	1.03	1.02	1.03
350.0	6.65	6.67	6.67	6.63	0.05	30.40	30.88	28.39	0.89	350.0	1.14	1.01	1.01	1.01	1.01
400.0	6.69	6.73	6.72	6.67	0.06	30.09	30.34	28.03	1.03	400.0	1.15	1.01	1.01	1.02	1.02
450.0	6.74	6.79	6.77	6.72	0.08	29.96	29.88	27.88	1.16	450.0	1.16	1.02	1.01	1.04	1.04
500.0	6.79	6.85	6.83	6.76	0.09	29.96	29.55	27.86	1.31	500.0	1.17	1.03	1.02	1.05	1.05
600.0	6.90	6.99	6.95	6.85	0.13	30.69	29.62	28.45	1.64	600.0	1.17	1.04	1.02	1.06	1.07
700.0	7.00	7.13	7.07	6.95	0.18	31.92	30.53	29.38	2.03	700.0	1.13	1.04	1.02	1.05	1.05
800.0	7.13	7.30	7.23	7.07	0.23	34.05	33.49	30.72	2.49	800.0	1.07	1.09	1.07	1.02	1.05
900.0	7.35	7.56	7.47	7.27	0.29	35.89	38.71	32.71	3.01	900.0	1.08	1.20	1.16	1.09	1.12
1000.0	7.71	7.98	7.89	7.65	0.33	31.51	30.03	38.88	3.66	1000.0	1.25	1.33	1.27	1.19	1.24
1100.0	8.36	8.69	8.64	8.36	0.33	24.08	22.35	29.71	4.49	1100.0	1.54	1.39	1.33	1.26	1.32
1120.0	8.55	8.89	8.87	8.57	0.34	22.76	21.15	27.35	4.69	1120.0	1.62	1.39	1.32	1.25	1.32
1150.0	8.92	9.28	9.29	8.97	0.37	20.91	19.52	24.30	5.02	1150.0	1.79	1.35	1.29	1.24	1.31
1170.0	9.22	9.60	9.64	9.31	0.41	19.79	18.56	22.55	5.27	1170.0	1.93	1.32	1.26	1.22	1.28
1200.0	9.82	10.22	10.31	9.97	0.48	18.31	17.31	20.31	5.68	1200.0	2.20	1.24	1.20	1.16	1.22

¹ Total Loss = Insertion Loss + 6dB Splitter Loss

REV. X2

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