

4 Way-0° Power Splitter/Combiner

ZB4PD1-ED16171/1

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
10.0	8.09	7.88	7.92	7.90	0.21	8.26	8.07	8.13	21.71	10.0	3.90	4.00	3.87	4.03	4.01
20.0	7.95	7.98	7.99	7.98	0.04	7.95	8.01	7.83	2.24	20.0	3.99	3.73	3.74	3.75	3.74
27.0	7.89	7.93	8.05	8.04	0.16	7.77	8.09	7.77	3.57	30.0	3.97	3.70	3.61	3.67	3.67
40.0	7.88	8.01	8.33	8.32	0.45	7.62	8.54	7.65	7.76	40.0	3.98	3.53	3.46	3.58	3.58
50.0	7.73	7.93	8.42	8.41	0.69	7.39	8.77	7.39	10.76	50.0	3.92	3.35	3.27	3.42	3.42
60.0	7.47	7.78	8.48	8.47	1.01	7.10	8.98	7.20	13.47	60.0	3.83	3.13	3.07	3.27	3.27
70.0	7.16	7.63	8.56	8.54	1.39	6.84	9.25	7.08	15.67	70.0	3.74	2.90	2.88	3.15	3.14
80.0	6.84	7.49	8.67	8.64	1.82	6.61	9.55	7.02	17.38	80.0	3.64	2.67	2.71	3.04	3.03
90.0	6.52	7.39	8.80	8.77	2.29	6.44	9.90	6.99	18.54	90.0	3.55	2.45	2.56	2.94	2.93
100.0	6.20	7.33	8.97	8.93	2.77	6.34	10.30	6.97	19.15	100.0	3.47	2.23	2.45	2.85	2.84
500.0	6.76	6.10	6.64	6.60	0.66	13.22	15.56	13.86	5.27	500.0	1.69	1.34	1.03	1.09	1.06
600.0	6.19	6.36	6.65	6.62	0.46	19.34	17.59	20.80	4.00	600.0	1.57	1.19	1.14	1.18	1.14
700.0	6.05	6.56	6.76	6.74	0.70	25.80	20.17	32.79	3.61	700.0	1.58	1.04	1.19	1.24	1.20
800.0	5.81	6.60	6.87	6.84	1.07	29.28	23.87	41.30	2.82	800.0	1.51	1.13	1.17	1.23	1.20
950.0	6.63	6.18	6.41	6.38	0.45	32.15	26.56	36.30	1.55	950.0	1.32	1.10	1.11	1.18	1.17
1000.0	6.34	6.18	6.41	6.38	0.23	29.32	30.06	45.17	1.54	1000.0	1.15	1.12	1.07	1.12	1.12
1100.0	6.24	6.24	6.42	6.39	0.17	24.72	34.31	29.12	1.83	1100.0	1.12	1.11	1.06	1.06	1.05
1200.0	6.34	6.36	6.49	6.46	0.16	23.48	30.74	25.56	2.76	1200.0	1.26	1.11	1.06	1.04	1.01
1300.0	6.38	6.43	6.53	6.50	0.15	25.08	27.84	25.54	3.68	1300.0	1.30	1.13	1.04	1.03	1.01
1400.0	6.38	6.44	6.51	6.48	0.13	29.42	26.38	27.51	4.64	1400.0	1.24	1.11	1.03	1.02	1.04
1500.0	6.39	6.46	6.49	6.46	0.10	33.22	25.97	29.95	5.61	1500.0	1.19	1.05	1.10	1.04	1.07
1600.0	6.47	6.53	6.52	6.49	0.07	30.88	26.45	31.18	6.64	1600.0	1.20	1.03	1.14	1.07	1.10
1700.0	6.58	6.63	6.61	6.55	0.08	30.42	27.78	32.78	7.58	1700.0	1.22	1.06	1.15	1.07	1.10
1800.0	6.61	6.66	6.66	6.57	0.09	31.68	30.33	35.05	8.39	1800.0	1.17	1.05	1.11	1.06	1.07
1900.0	6.53	6.60	6.62	6.51	0.12	30.68	34.67	33.74	9.39	1900.0	1.04	1.03	1.05	1.03	1.05
1950.0	6.50	6.58	6.60	6.48	0.12	29.54	36.08	32.65	9.96	1950.0	1.04	1.08	1.05	1.04	1.06
2000.0	6.52	6.59	6.60	6.47	0.13	28.96	34.80	32.55	10.55	2000.0	1.10	1.13	1.07	1.05	1.07
2050.0	6.53	6.60	6.60	6.47	0.14	29.36	32.27	33.56	11.09	2050.0	1.15	1.17	1.09	1.05	1.07
2100.0	6.55	6.61	6.61	6.47	0.15	31.33	29.78	35.48	11.63	2100.0	1.17	1.20	1.09	1.05	1.06
2150.0	6.56	6.62	6.61	6.46	0.16	36.28	27.68	34.11	12.16	2150.0	1.17	1.21	1.08	1.04	1.05
2200.0	6.58	6.63	6.62	6.46	0.17	38.29	26.00	29.21	12.81	2200.0	1.18	1.21	1.08	1.07	1.06

¹Total Loss = Insertion Loss + 6dB Splitter Loss



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