

4 Way-0° Power Splitter/Combiner

ZB4PD-ED14430/1

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
600.0	6.40	6.36	6.34	6.36	0.06	20.83	24.94	20.87	0.40	600.0	1.24	1.13	1.11	1.12	1.11
700.0	6.50	6.46	6.44	6.45	0.06	25.73	31.23	25.92	0.45	700.0	1.37	1.20	1.18	1.19	1.18
750.0	6.51	6.47	6.45	6.46	0.06	28.80	36.09	29.16	0.48	750.0	1.36	1.23	1.21	1.22	1.20
800.0	6.50	6.46	6.44	6.44	0.06	33.44	38.95	33.98	0.49	800.0	1.31	1.25	1.23	1.24	1.22
850.0	6.47	6.43	6.41	6.41	0.06	40.66	35.10	39.38	0.50	850.0	1.22	1.26	1.24	1.25	1.22
900.0	6.46	6.42	6.40	6.39	0.07	36.65	31.57	34.50	0.52	900.0	1.11	1.26	1.24	1.25	1.22
950.0	6.45	6.42	6.40	6.39	0.07	31.38	29.25	30.10	0.54	950.0	1.02	1.25	1.24	1.24	1.22
1000.0	6.48	6.45	6.42	6.41	0.07	28.59	27.68	27.63	0.54	1000.0	1.10	1.25	1.24	1.24	1.22
1050.0	6.53	6.49	6.47	6.46	0.07	27.21	26.64	26.39	0.55	1050.0	1.21	1.25	1.24	1.24	1.22
1100.0	6.58	6.54	6.52	6.51	0.07	26.71	25.96	25.99	0.55	1100.0	1.30	1.25	1.24	1.24	1.22
1150.0	6.62	6.59	6.57	6.56	0.07	26.83	25.60	26.18	0.58	1150.0	1.37	1.25	1.23	1.24	1.22
1200.0	6.65	6.62	6.60	6.59	0.06	27.19	25.46	26.69	0.59	1200.0	1.39	1.23	1.22	1.22	1.21
1250.0	6.66	6.63	6.61	6.59	0.06	27.42	25.53	27.12	0.60	1250.0	1.38	1.21	1.20	1.20	1.19
1300.0	6.65	6.62	6.60	6.59	0.06	27.10	25.81	27.07	0.62	1300.0	1.33	1.17	1.17	1.17	1.17
1350.0	6.64	6.61	6.58	6.58	0.06	26.28	26.31	26.43	0.64	1350.0	1.27	1.13	1.13	1.12	1.13
1400.0	6.64	6.61	6.58	6.57	0.07	25.30	27.04	25.52	0.66	1400.0	1.20	1.08	1.09	1.08	1.09
1450.0	6.66	6.63	6.60	6.59	0.07	24.56	28.03	24.78	0.71	1450.0	1.16	1.03	1.04	1.02	1.04
1500.0	6.69	6.66	6.63	6.61	0.07	24.30	29.38	24.51	0.75	1500.0	1.17	1.03	1.00	1.02	1.00
1550.0	6.72	6.70	6.67	6.64	0.08	24.68	31.04	24.87	0.79	1550.0	1.22	1.07	1.04	1.06	1.03
1600.0	6.75	6.72	6.70	6.66	0.08	25.85	32.82	26.02	0.82	1600.0	1.26	1.10	1.07	1.10	1.06
1650.0	6.76	6.73	6.71	6.67	0.09	28.07	34.32	28.20	0.85	1650.0	1.27	1.12	1.08	1.12	1.08
1700.0	6.75	6.73	6.71	6.66	0.09	31.79	34.69	31.74	0.88	1700.0	1.26	1.12	1.09	1.12	1.08
1750.0	6.74	6.72	6.70	6.64	0.10	36.51	33.82	35.43	0.91	1750.0	1.21	1.11	1.07	1.11	1.07
1800.0	6.73	6.71	6.69	6.62	0.11	34.06	32.39	32.89	0.94	1800.0	1.16	1.09	1.06	1.09	1.05
1850.0	6.73	6.71	6.70	6.62	0.11	29.76	31.14	29.10	0.96	1850.0	1.14	1.08	1.06	1.09	1.03
1900.0	6.75	6.73	6.72	6.63	0.12	27.23	30.22	26.77	0.98	1900.0	1.18	1.10	1.08	1.12	1.05
1950.0	6.80	6.78	6.76	6.67	0.13	26.04	29.68	25.64	0.99	1950.0	1.26	1.13	1.12	1.16	1.08
2000.0	6.85	6.82	6.81	6.71	0.14	25.90	29.48	25.49	0.99	2000.0	1.34	1.17	1.16	1.20	1.11
2050.0	6.89	6.87	6.86	6.75	0.14	26.75	29.63	26.25	0.98	2050.0	1.39	1.20	1.18	1.22	1.14
2100.0	6.91	6.89	6.88	6.76	0.14	28.79	30.14	28.01	0.99	2100.0	1.40	1.22	1.19	1.24	1.14
2150.0	6.90	6.89	6.88	6.76	0.14	32.47	31.06	30.76	1.01	2150.0	1.36	1.21	1.18	1.23	1.13
2200.0	6.88	6.86	6.86	6.74	0.14	37.31	32.56	33.31	1.02	2200.0	1.28	1.19	1.16	1.21	1.11
2300.0	6.85	6.84	6.84	6.71	0.14	31.23	39.69	30.14	1.09	2300.0	1.06	1.11	1.08	1.13	1.04
2400.0	6.90	6.89	6.90	6.75	0.15	29.71	40.78	29.86	1.24	2400.0	1.14	1.08	1.06	1.12	1.06
2500.0	6.99	6.98	6.98	6.81	0.17	32.44	29.86	35.83	1.39	2500.0	1.25	1.10	1.06	1.13	1.07
2650.0	7.41	7.41	7.41	7.19	0.22	17.14	23.47	17.06	1.56	2650.0	1.73	1.08	1.14	1.08	1.14

¹Total Loss = Insertion Loss + 6dB 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
The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

REV. X1
ZB4PD-ED14430/1
9/19/2011
Page 1 of 1