

# 4 Way-0° Power Splitter/Combiner

# BP4P1+

## Typical Performance Data

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (dB)				AMP. UNBAL. (dB)	ISOLATION (dB)			PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)				
	S-1	S-2	S-3	S-4		1-2	2-3	3-4			S	1	2	3	4
1200.0	8.54	9.31	9.51	9.40	0.96	16.69	15.34	17.81	4.31	1200.0	3.90	1.49	1.49	1.49	1.62
1250.0	8.07	8.79	8.98	8.88	0.92	17.59	16.16	18.88	3.09	1250.0	3.35	1.46	1.47	1.47	1.59
1300.0	7.66	8.34	8.53	8.44	0.87	18.63	17.11	20.14	1.95	1300.0	2.89	1.43	1.45	1.44	1.55
1350.0	7.33	7.96	8.15	8.07	0.83	19.81	18.20	21.66	0.86	1350.0	2.51	1.39	1.43	1.41	1.51
1400.0	7.05	7.63	7.83	7.75	0.78	21.15	19.45	23.50	0.72	1400.0	2.20	1.36	1.41	1.39	1.47
1450.0	6.82	7.36	7.55	7.49	0.73	22.64	20.90	25.80	1.42	1450.0	1.94	1.33	1.38	1.36	1.44
1500.0	6.65	7.15	7.33	7.29	0.69	24.25	22.57	28.84	2.37	1500.0	1.72	1.30	1.36	1.33	1.40
1550.0	6.52	6.97	7.16	7.12	0.64	25.88	24.50	33.27	3.35	1550.0	1.54	1.28	1.34	1.31	1.37
1600.0	6.42	6.83	7.02	6.99	0.59	27.33	26.75	41.16	4.36	1600.0	1.39	1.26	1.32	1.29	1.34
1650.0	6.36	6.73	6.91	6.90	0.55	28.14	29.08	41.87	5.35	1650.0	1.26	1.24	1.30	1.26	1.32
1700.0	6.33	6.65	6.83	6.83	0.50	28.13	31.00	34.24	6.30	1700.0	1.16	1.22	1.29	1.25	1.30
1710.0	6.33	6.64	6.82	6.82	0.50	28.02	31.20	33.25	6.48	1710.0	1.14	1.22	1.28	1.24	1.29
1720.0	6.32	6.63	6.80	6.81	0.49	27.88	31.33	32.37	6.67	1720.0	1.12	1.22	1.28	1.24	1.29
1730.0	6.32	6.62	6.79	6.81	0.48	27.72	31.37	31.58	6.86	1730.0	1.10	1.21	1.28	1.23	1.28
1740.0	6.32	6.61	6.78	6.80	0.48	27.54	31.32	30.86	7.05	1740.0	1.09	1.21	1.27	1.23	1.28
1750.0	6.32	6.60	6.77	6.79	0.47	27.35	31.21	30.19	7.24	1750.0	1.07	1.21	1.27	1.23	1.28
1760.0	6.32	6.59	6.77	6.78	0.46	27.16	31.01	29.59	7.43	1760.0	1.06	1.21	1.27	1.22	1.27
1770.0	6.32	6.58	6.76	6.78	0.46	26.96	30.77	29.04	7.63	1770.0	1.05	1.21	1.27	1.22	1.27
1780.0	6.33	6.57	6.75	6.77	0.45	26.75	30.48	28.51	7.82	1780.0	1.05	1.20	1.26	1.22	1.26
1790.0	6.33	6.57	6.74	6.77	0.44	26.53	30.15	28.02	8.01	1790.0	1.05	1.20	1.26	1.22	1.26
1800.0	6.33	6.56	6.73	6.76	0.43	26.31	29.80	27.58	8.19	1800.0	1.05	1.20	1.26	1.21	1.26
1810.0	6.33	6.56	6.73	6.76	0.43	26.08	29.44	27.16	8.37	1810.0	1.06	1.19	1.26	1.21	1.25
1820.0	6.34	6.55	6.72	6.76	0.42	25.85	29.03	26.75	8.56	1820.0	1.07	1.19	1.25	1.21	1.25
1830.0	6.34	6.55	6.72	6.76	0.41	25.63	28.65	26.38	8.74	1830.0	1.09	1.19	1.25	1.20	1.25
1840.0	6.35	6.54	6.72	6.76	0.41	25.41	28.25	26.01	8.93	1840.0	1.10	1.19	1.25	1.20	1.24
1850.0	6.36	6.54	6.71	6.76	0.40	25.20	27.88	25.67	9.12	1850.0	1.11	1.19	1.25	1.20	1.24
1860.0	6.36	6.54	6.71	6.76	0.39	25.00	27.52	25.36	9.30	1860.0	1.13	1.19	1.24	1.20	1.24
1870.0	6.37	6.54	6.71	6.76	0.39	24.79	27.17	25.05	9.49	1870.0	1.14	1.19	1.24	1.19	1.24
1880.0	6.38	6.54	6.71	6.76	0.38	24.59	26.83	24.76	9.67	1880.0	1.16	1.19	1.24	1.19	1.23
1890.0	6.39	6.53	6.70	6.76	0.37	24.39	26.49	24.48	9.86	1890.0	1.17	1.18	1.24	1.19	1.23
1900.0	6.39	6.53	6.70	6.76	0.36	24.20	26.14	24.21	10.04	1900.0	1.19	1.18	1.24	1.19	1.23
1910.0	6.40	6.53	6.70	6.76	0.36	23.99	25.82	23.96	10.22	1910.0	1.20	1.18	1.23	1.18	1.22
1920.0	6.41	6.53	6.70	6.76	0.35	23.80	25.51	23.71	10.41	1920.0	1.22	1.18	1.23	1.18	1.22
1930.0	6.42	6.53	6.70	6.77	0.35	23.61	25.20	23.48	10.58	1930.0	1.23	1.18	1.23	1.18	1.22
1940.0	6.43	6.53	6.70	6.77	0.34	23.43	24.93	23.25	10.77	1940.0	1.25	1.17	1.23	1.18	1.22
1950.0	6.44	6.53	6.70	6.77	0.33	23.27	24.66	23.03	10.95	1950.0	1.26	1.17	1.23	1.18	1.22
2000.0	6.50	6.55	6.71	6.79	0.30	22.49	23.42	22.06	11.89	2000.0	1.34	1.17	1.22	1.17	1.20
2050.0	6.56	6.56	6.72	6.82	0.26	21.80	22.37	21.23	12.80	2050.0	1.42	1.16	1.21	1.16	1.19
2100.0	6.63	6.59	6.75	6.86	0.27	21.20	21.44	20.52	13.70	2100.0	1.50	1.16	1.20	1.15	1.18
2150.0	6.70	6.62	6.77	6.90	0.28	20.67	20.66	19.90	14.60	2150.0	1.57	1.16	1.20	1.15	1.18
2200.0	6.78	6.65	6.80	6.94	0.29	20.21	19.96	19.35	15.49	2200.0	1.65	1.15	1.19	1.15	1.17
2250.0	6.86	6.69	6.83	6.99	0.30	19.81	19.34	18.86	16.39	2250.0	1.72	1.15	1.19	1.14	1.16
2300.0	6.94	6.72	6.87	7.04	0.32	19.44	18.78	18.42	17.28	2300.0	1.80	1.14	1.19	1.14	1.15
2350.0	7.02	6.76	6.91	7.09	0.32	19.13	18.29	18.02	18.18	2350.0	1.87	1.14	1.19	1.14	1.14
2400.0	7.11	6.81	6.95	7.14	0.34	18.83	17.82	17.65	19.06	2400.0	1.94	1.13	1.19	1.14	1.14
2450.0	7.19	6.85	6.99	7.19	0.35	18.60	17.41	17.30	19.99	2450.0	2.01	1.13	1.19	1.15	1.13
2500.0	7.28	6.90	7.03	7.25	0.38	18.35	17.00	16.99	20.86	2500.0	2.08	1.12	1.19	1.15	1.12
2600.0	7.45	6.99	7.12	7.36	0.46	17.96	16.30	16.41	22.59	2600.0	2.21	1.11	1.20	1.16	1.10
2800.0	7.78	7.18	7.32	7.60	0.59	17.37	15.13	15.43	25.97	2800.0	2.48	1.08	1.22	1.19	1.07
3000.0	8.09	7.39	7.53	7.84	0.70	16.95	14.17	14.59	29.18	3000.0	2.74	1.05	1.27	1.24	1.04
3100.0	8.24	7.49	7.65	7.96	0.75	16.76	13.75	14.20	30.75	3100.0	2.87	1.04	1.30	1.27	1.05
3300.0	8.54	7.71	7.90	8.23	0.83	16.42	12.99	13.49	33.53	3300.0	3.15	1.07	1.37	1.35	1.09
3700.0	9.11	8.18	8.48	8.77	0.94	15.73	11.76	12.25	37.96	3700.0	3.76	1.23	1.60	1.55	1.26

<sup>1</sup>Total Loss = Insertion Loss + 6dB Splitter Loss

REV. X2  
ED12348C/8+  
BP4P1+  
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