

2 Way-0° Power Splitter/Combiner

BP2P1+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
1000	3.51	3.50	0.01	0.85	7.25	1.59	1.70	1.71
1050	3.49	3.48	0.01	0.88	7.68	1.56	1.68	1.68
1100	3.48	3.47	0.01	0.93	8.18	1.53	1.64	1.65
1150	3.47	3.45	0.02	1.01	8.72	1.50	1.61	1.62
1200	3.46	3.44	0.02	1.02	9.31	1.47	1.57	1.58
1250	3.45	3.43	0.02	1.07	9.96	1.43	1.54	1.54
1300	3.43	3.41	0.02	1.10	10.70	1.40	1.50	1.50
1350	3.42	3.39	0.03	1.15	11.51	1.36	1.45	1.46
1400	3.41	3.38	0.03	1.19	12.43	1.32	1.41	1.41
1450	3.40	3.37	0.03	1.29	13.47	1.28	1.37	1.37
1500	3.39	3.36	0.03	1.35	14.65	1.24	1.32	1.32
1550	3.39	3.35	0.04	1.36	16.05	1.20	1.28	1.28
1600	3.38	3.34	0.04	1.44	17.69	1.16	1.23	1.23
1650	3.38	3.33	0.05	1.46	19.68	1.12	1.18	1.19
1700	3.38	3.33	0.05	1.57	22.28	1.08	1.14	1.14
1750	3.38	3.33	0.05	1.64	25.87	1.04	1.10	1.10
1800	3.39	3.34	0.05	1.71	31.85	1.03	1.06	1.06
1850	3.40	3.35	0.05	1.77	40.94	1.07	1.03	1.04
1900	3.42	3.36	0.06	1.81	30.99	1.12	1.06	1.06
1950	3.45	3.38	0.07	1.92	25.69	1.17	1.10	1.10
2000	3.48	3.42	0.06	1.96	22.39	1.24	1.15	1.14
2050	3.52	3.46	0.06	2.03	20.05	1.30	1.20	1.19
2100	3.57	3.50	0.07	2.18	18.25	1.38	1.25	1.25
2150	3.63	3.55	0.08	2.22	16.78	1.46	1.31	1.31
2200	3.70	3.62	0.08	2.31	15.58	1.55	1.37	1.36
2250	3.78	3.69	0.09	2.43	14.51	1.65	1.44	1.43
2300	3.86	3.78	0.08	2.55	13.58	1.76	1.51	1.49
2350	3.97	3.88	0.09	2.66	12.78	1.87	1.58	1.57
2360	3.99	3.90	0.09	2.70	12.62	1.90	1.59	1.58
2370	4.02	3.93	0.09	2.72	12.47	1.92	1.61	1.59
2380	4.04	3.95	0.09	2.75	12.35	1.95	1.62	1.61
2390	4.06	3.97	0.09	2.78	12.22	1.98	1.64	1.63
2400	4.09	3.99	0.10	2.80	12.08	2.01	1.65	1.64
2450	4.21	4.11	0.10	2.94	11.43	2.16	1.73	1.72
2500	4.36	4.25	0.11	3.11	10.85	2.32	1.82	1.80
2550	4.51	4.40	0.11	3.27	10.33	2.50	1.91	1.89
2560	4.54	4.44	0.10	3.30	10.23	2.53	1.93	1.90
2570	4.59	4.47	0.12	3.30	10.12	2.57	1.95	1.91
2580	4.62	4.50	0.12	3.31	10.02	2.61	1.97	1.93
2590	4.66	4.54	0.12	3.33	9.93	2.65	1.98	1.95
2600	4.69	4.57	0.12	3.41	9.84	2.69	2.00	1.97
2650	4.88	4.75	0.13	3.55	9.40	2.91	2.10	2.06
2660	4.91	4.79	0.12	3.60	9.32	2.95	2.12	2.08
2670	4.96	4.83	0.13	3.57	9.23	2.99	2.14	2.10
2680	5.00	4.87	0.13	3.62	9.15	3.04	2.17	2.12
2690	5.04	4.91	0.13	3.68	9.07	3.09	2.18	2.14
2700	5.09	4.95	0.14	3.70	8.99	3.14	2.20	2.16
2750	5.31	5.16	0.15	3.90	8.62	3.40	2.31	2.26
2800	5.55	5.38	0.17	4.10	8.29	3.67	2.42	2.36
2850	5.79	5.61	0.18	4.26	7.98	3.98	2.54	2.47
2900	6.06	5.87	0.19	4.43	7.69	4.31	2.66	2.58
2950	6.34	6.13	0.21	4.67	7.44	4.67	2.78	2.69
3000	6.63	6.41	0.22	4.86	7.20	5.04	2.91	2.81

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-0° Power Splitter/Combiner

BP2P1+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = -40°C

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
1000	3.39	3.40	0.01	0.79	7.07	1.62	1.73	1.74
1050	3.37	3.37	0.00	0.83	7.52	1.58	1.70	1.71
1100	3.36	3.36	0.00	0.87	7.97	1.56	1.66	1.68
1150	3.35	3.35	0.00	0.98	8.48	1.53	1.63	1.64
1200	3.34	3.32	0.02	0.97	9.07	1.48	1.60	1.60
1250	3.31	3.30	0.01	0.98	9.69	1.45	1.55	1.56
1300	3.29	3.28	0.01	1.03	10.42	1.41	1.51	1.52
1350	3.27	3.26	0.01	1.08	11.21	1.37	1.47	1.47
1400	3.26	3.24	0.02	1.13	12.09	1.33	1.42	1.42
1450	3.25	3.22	0.03	1.24	13.09	1.29	1.37	1.37
1500	3.24	3.21	0.03	1.27	14.19	1.26	1.32	1.32
1550	3.23	3.20	0.03	1.28	15.52	1.21	1.27	1.27
1600	3.22	3.19	0.03	1.40	17.11	1.17	1.22	1.22
1650	3.22	3.18	0.04	1.40	19.00	1.13	1.18	1.17
1700	3.21	3.17	0.04	1.49	21.34	1.10	1.13	1.12
1750	3.21	3.17	0.04	1.54	24.64	1.07	1.08	1.08
1800	3.22	3.18	0.04	1.61	30.07	1.06	1.05	1.04
1850	3.23	3.18	0.05	1.66	43.87	1.08	1.03	1.04
1900	3.24	3.19	0.05	1.66	32.99	1.12	1.06	1.07
1950	3.26	3.20	0.06	1.77	26.36	1.17	1.10	1.11
2000	3.28	3.23	0.05	1.81	22.82	1.22	1.15	1.16
2050	3.32	3.27	0.05	1.91	20.30	1.29	1.21	1.21
2100	3.36	3.31	0.05	2.03	18.34	1.37	1.26	1.26
2150	3.41	3.36	0.05	2.14	16.81	1.44	1.31	1.31
2200	3.47	3.41	0.06	2.27	15.57	1.52	1.37	1.36
2250	3.55	3.48	0.07	2.39	14.45	1.63	1.44	1.41
2300	3.63	3.56	0.07	2.54	13.49	1.73	1.50	1.47
2350	3.72	3.64	0.08	2.70	12.69	1.84	1.57	1.54
2360	3.75	3.66	0.09	2.67	12.53	1.87	1.58	1.54
2370	3.77	3.69	0.08	2.71	12.37	1.90	1.60	1.56
2380	3.79	3.71	0.08	2.74	12.23	1.92	1.62	1.57
2390	3.81	3.72	0.09	2.79	12.12	1.96	1.63	1.59
2400	3.83	3.75	0.08	2.81	11.94	1.99	1.64	1.59
2450	3.96	3.86	0.10	2.98	11.23	2.14	1.72	1.67
2500	4.09	3.98	0.11	3.16	10.65	2.29	1.80	1.75
2550	4.23	4.12	0.11	3.31	10.12	2.46	1.88	1.83
2560	4.27	4.15	0.12	3.34	10.00	2.50	1.90	1.84
2570	4.30	4.18	0.12	3.30	9.89	2.54	1.92	1.85
2580	4.34	4.21	0.13	3.33	9.79	2.58	1.93	1.86
2590	4.37	4.25	0.12	3.39	9.70	2.62	1.95	1.88
2600	4.40	4.28	0.12	3.43	9.60	2.67	1.96	1.90
2650	4.60	4.45	0.15	3.67	9.14	2.90	2.07	1.99
2660	4.64	4.49	0.15	3.69	9.05	2.95	2.09	2.01
2670	4.69	4.53	0.16	3.69	8.96	2.99	2.12	2.02
2680	4.73	4.57	0.16	3.68	8.88	3.05	2.14	2.04
2690	4.77	4.61	0.16	3.71	8.80	3.10	2.15	2.06
2700	4.81	4.64	0.17	3.76	8.73	3.15	2.17	2.09
2750	5.03	4.85	0.18	3.87	8.35	3.43	2.27	2.19
2800	5.28	5.07	0.21	4.07	8.00	3.73	2.38	2.29
2850	5.51	5.30	0.21	4.23	7.71	4.07	2.51	2.40
2900	5.79	5.54	0.25	4.31	7.46	4.44	2.66	2.54
2950	6.05	5.80	0.25	4.42	7.24	4.83	2.78	2.66
3000	6.35	6.07	0.28	4.68	7.03	5.28	2.92	2.79

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-0° Power Splitter/Combiner

BP2P1+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +85°C

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
1000	3.56	3.55	0.01	1.01	7.40	1.58	1.69	1.69
1050	3.55	3.54	0.01	1.05	7.85	1.55	1.66	1.66
1100	3.54	3.53	0.01	1.08	8.37	1.52	1.64	1.64
1150	3.54	3.52	0.02	1.19	8.92	1.49	1.61	1.61
1200	3.54	3.51	0.03	1.19	9.54	1.46	1.57	1.57
1250	3.52	3.50	0.02	1.24	10.22	1.42	1.54	1.54
1300	3.51	3.48	0.03	1.25	10.98	1.39	1.51	1.50
1350	3.50	3.47	0.03	1.27	11.82	1.35	1.46	1.46
1400	3.49	3.46	0.03	1.32	12.78	1.31	1.42	1.42
1450	3.48	3.45	0.03	1.42	13.86	1.28	1.38	1.38
1500	3.48	3.44	0.04	1.47	15.10	1.23	1.34	1.34
1550	3.47	3.44	0.03	1.48	16.57	1.19	1.29	1.30
1600	3.46	3.43	0.03	1.60	18.29	1.15	1.25	1.26
1650	3.46	3.43	0.03	1.65	20.43	1.11	1.21	1.22
1700	3.47	3.43	0.04	1.77	23.24	1.07	1.16	1.18
1750	3.48	3.43	0.05	1.84	27.20	1.03	1.12	1.14
1800	3.49	3.44	0.05	1.95	33.46	1.03	1.08	1.09
1850	3.51	3.46	0.05	2.04	35.74	1.07	1.05	1.06
1900	3.53	3.47	0.06	2.08	28.99	1.12	1.05	1.05
1950	3.56	3.49	0.07	2.20	24.76	1.18	1.09	1.08
2000	3.59	3.53	0.06	2.24	21.86	1.24	1.13	1.12
2050	3.64	3.57	0.07	2.33	19.74	1.31	1.19	1.17
2100	3.69	3.61	0.08	2.47	18.08	1.38	1.24	1.22
2150	3.76	3.68	0.08	2.53	16.73	1.47	1.30	1.29
2200	3.83	3.75	0.08	2.59	15.58	1.56	1.37	1.35
2250	3.92	3.83	0.09	2.66	14.57	1.66	1.44	1.42
2300	4.02	3.93	0.09	2.81	13.69	1.77	1.51	1.50
2350	4.13	4.03	0.10	2.91	12.93	1.90	1.59	1.58
2360	4.16	4.06	0.10	2.91	12.77	1.92	1.61	1.59
2370	4.19	4.09	0.10	2.90	12.61	1.95	1.62	1.61
2380	4.21	4.12	0.09	2.91	12.48	1.98	1.64	1.63
2390	4.23	4.14	0.09	2.98	12.37	2.01	1.65	1.65
2400	4.26	4.16	0.10	2.99	12.23	2.04	1.67	1.67
2450	4.40	4.30	0.10	3.16	11.61	2.19	1.76	1.76
2500	4.55	4.45	0.10	3.31	11.04	2.36	1.85	1.86
2550	4.73	4.62	0.11	3.44	10.52	2.55	1.95	1.96
2560	4.76	4.65	0.11	3.48	10.43	2.58	1.97	1.98
2570	4.81	4.69	0.12	3.47	10.33	2.62	2.00	1.99
2580	4.85	4.73	0.12	3.48	10.23	2.66	2.02	2.01
2590	4.89	4.76	0.13	3.47	10.15	2.70	2.04	2.03
2600	4.91	4.80	0.11	3.55	10.06	2.74	2.06	2.06
2650	5.11	4.99	0.12	3.67	9.64	2.95	2.17	2.17
2660	5.14	5.03	0.11	3.72	9.57	3.00	2.19	2.20
2670	5.19	5.07	0.12	3.76	9.50	3.04	2.21	2.22
2680	5.24	5.12	0.12	3.74	9.41	3.08	2.24	2.23
2690	5.28	5.16	0.12	3.74	9.33	3.14	2.26	2.25
2700	5.32	5.21	0.11	3.82	9.27	3.19	2.28	2.28
2750	5.55	5.43	0.12	3.97	8.91	3.43	2.39	2.39
2800	5.79	5.66	0.13	4.18	8.59	3.70	2.52	2.51
2850	6.02	5.90	0.12	4.35	8.27	4.01	2.64	2.61
2900	6.29	6.16	0.13	4.55	7.99	4.32	2.76	2.73
2950	6.57	6.45	0.12	4.88	7.75	4.64	2.88	2.84
3000	6.86	6.72	0.14	5.09	7.47	4.99	3.00	2.94

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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