

2 Way-0° Power Splitter/Combiner

BP2U1+

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
1500	3.50	3.53	0.03	0.41	8.74	1.53	1.65	1.68
1550	3.49	3.51	0.02	0.42	9.22	1.50	1.62	1.65
1600	3.48	3.49	0.01	0.43	9.75	1.47	1.59	1.62
1650	3.47	3.48	0.01	0.44	10.32	1.44	1.56	1.59
1700	3.47	3.46	0.01	0.42	10.95	1.40	1.53	1.55
1750	3.46	3.45	0.01	0.45	11.63	1.37	1.50	1.51
1800	3.45	3.44	0.01	0.49	12.39	1.34	1.46	1.47
1850	3.45	3.42	0.03	0.48	13.24	1.30	1.43	1.44
1900	3.44	3.41	0.03	0.49	14.16	1.27	1.39	1.39
1950	3.44	3.40	0.04	0.50	15.24	1.23	1.36	1.35
2000	3.43	3.39	0.04	0.50	16.45	1.20	1.32	1.31
2050	3.44	3.39	0.05	0.47	17.84	1.16	1.28	1.27
2100	3.44	3.38	0.06	0.51	19.53	1.12	1.24	1.23
2150	3.44	3.38	0.06	0.49	21.58	1.08	1.20	1.18
2200	3.44	3.38	0.06	0.48	24.23	1.05	1.16	1.14
2250	3.46	3.39	0.07	0.45	28.07	1.03	1.11	1.10
2300	3.46	3.40	0.06	0.50	34.34	1.05	1.08	1.07
2350	3.48	3.41	0.07	0.53	41.39	1.09	1.04	1.05
2400	3.50	3.43	0.07	0.55	31.77	1.14	1.04	1.06
2450	3.53	3.46	0.07	0.60	26.92	1.19	1.07	1.09
2500	3.56	3.49	0.07	0.63	23.80	1.24	1.12	1.14
2505	3.56	3.49	0.07	0.62	23.55	1.25	1.13	1.14
2510	3.57	3.49	0.08	0.63	23.32	1.26	1.13	1.15
2520	3.57	3.50	0.07	0.64	22.83	1.27	1.14	1.16
2530	3.58	3.51	0.07	0.67	22.37	1.28	1.15	1.17
2540	3.59	3.51	0.08	0.66	21.95	1.29	1.16	1.18
2550	3.59	3.52	0.07	0.68	21.55	1.31	1.17	1.19
2560	3.60	3.53	0.07	0.72	21.17	1.32	1.18	1.20
2570	3.61	3.54	0.07	0.71	20.82	1.33	1.20	1.21
2580	3.62	3.55	0.07	0.72	20.50	1.35	1.21	1.22
2590	3.63	3.56	0.07	0.75	20.18	1.36	1.22	1.23
2600	3.64	3.57	0.07	0.73	19.85	1.37	1.23	1.24
2650	3.69	3.61	0.08	0.88	18.43	1.45	1.29	1.30
2700	3.75	3.67	0.08	0.93	17.27	1.53	1.36	1.37
2750	3.82	3.74	0.08	1.04	16.28	1.62	1.43	1.44
2800	3.90	3.82	0.08	1.15	15.42	1.71	1.51	1.51
2850	3.99	3.90	0.09	1.19	14.67	1.82	1.59	1.59
2900	4.09	4.00	0.09	1.29	14.01	1.93	1.68	1.68
2950	4.21	4.11	0.10	1.41	13.42	2.05	1.78	1.77
3000	4.34	4.22	0.12	1.55	12.89	2.19	1.88	1.87
3050	4.48	4.35	0.13	1.64	12.40	2.34	2.00	1.97
3100	4.63	4.49	0.14	1.76	11.97	2.50	2.12	2.08
3150	4.79	4.64	0.15	1.91	11.58	2.67	2.25	2.20
3200	4.97	4.81	0.16	2.04	11.23	2.86	2.38	2.33
3250	5.16	4.99	0.17	2.20	10.91	3.07	2.52	2.46
3300	5.36	5.17	0.19	2.35	10.61	3.30	2.68	2.60
3350	5.58	5.37	0.21	2.45	10.34	3.54	2.84	2.75
3400	5.80	5.58	0.22	2.62	10.10	3.80	3.00	2.90
3450	6.05	5.80	0.25	2.73	9.87	4.08	3.18	3.07
3500	6.30	6.03	0.27	2.84	9.67	4.38	3.35	3.24

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-0° Power Splitter/Combiner

BP2U1+

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
1500	3.35	3.38	0.03	0.94	8.42	1.54	1.65	1.69
1550	3.35	3.36	0.01	1.00	8.87	1.52	1.62	1.65
1600	3.33	3.34	0.01	1.01	9.38	1.49	1.60	1.62
1650	3.33	3.32	0.01	1.04	9.94	1.45	1.57	1.58
1700	3.33	3.29	0.04	0.86	10.55	1.42	1.53	1.53
1750	3.30	3.28	0.02	0.90	11.22	1.39	1.49	1.50
1800	3.29	3.27	0.02	0.98	11.95	1.36	1.46	1.46
1850	3.29	3.25	0.04	1.01	12.77	1.33	1.43	1.42
1900	3.28	3.23	0.05	1.01	13.67	1.30	1.39	1.38
1950	3.28	3.22	0.06	1.05	14.70	1.26	1.36	1.33
2000	3.28	3.20	0.08	1.00	15.88	1.22	1.32	1.29
2050	3.27	3.19	0.08	0.94	17.20	1.19	1.28	1.25
2100	3.27	3.19	0.08	1.00	18.85	1.15	1.24	1.20
2150	3.27	3.18	0.09	0.92	20.83	1.11	1.20	1.16
2200	3.26	3.18	0.08	0.88	23.21	1.08	1.16	1.13
2250	3.27	3.18	0.09	0.90	26.45	1.06	1.12	1.09
2300	3.27	3.18	0.09	0.95	31.31	1.05	1.08	1.05
2350	3.28	3.20	0.08	1.03	36.75	1.08	1.04	1.02
2400	3.29	3.22	0.07	1.07	31.56	1.12	1.03	1.03
2450	3.31	3.23	0.08	1.16	26.85	1.17	1.06	1.06
2500	3.34	3.26	0.08	1.27	23.76	1.22	1.11	1.11
2505	3.34	3.26	0.08	1.25	23.47	1.23	1.11	1.11
2510	3.35	3.26	0.09	1.24	23.19	1.23	1.12	1.12
2520	3.35	3.27	0.08	1.27	22.69	1.25	1.13	1.13
2530	3.36	3.28	0.08	1.34	22.24	1.26	1.14	1.14
2540	3.37	3.28	0.09	1.33	21.80	1.27	1.15	1.15
2550	3.37	3.29	0.08	1.33	21.39	1.28	1.16	1.16
2560	3.37	3.29	0.08	1.40	21.00	1.30	1.17	1.16
2570	3.39	3.30	0.09	1.42	20.65	1.31	1.18	1.17
2580	3.41	3.30	0.11	1.43	20.33	1.32	1.19	1.18
2590	3.41	3.31	0.10	1.39	19.97	1.33	1.20	1.19
2600	3.42	3.32	0.10	1.36	19.65	1.35	1.21	1.20
2650	3.46	3.35	0.11	1.54	18.25	1.42	1.27	1.25
2700	3.52	3.41	0.11	1.58	17.02	1.51	1.33	1.31
2750	3.58	3.47	0.11	1.71	16.00	1.59	1.40	1.38
2800	3.66	3.54	0.12	1.80	15.09	1.69	1.47	1.44
2850	3.75	3.61	0.14	1.91	14.29	1.80	1.55	1.51
2900	3.85	3.70	0.15	1.98	13.62	1.92	1.65	1.60
2950	3.95	3.80	0.15	2.14	13.05	2.05	1.75	1.69
3000	4.08	3.91	0.17	2.32	12.56	2.19	1.87	1.79
3050	4.23	4.02	0.21	2.33	12.10	2.35	1.99	1.90
3100	4.38	4.16	0.22	2.41	11.71	2.53	2.12	2.03
3150	4.54	4.29	0.25	2.60	11.37	2.71	2.27	2.16
3200	4.72	4.44	0.28	2.54	11.11	2.92	2.44	2.31
3250	4.92	4.63	0.29	2.49	10.80	3.17	2.59	2.47
3300	5.13	4.83	0.30	2.50	10.55	3.45	2.77	2.67
3350	5.35	5.04	0.31	2.55	10.35	3.73	2.97	2.86
3400	5.58	5.25	0.33	2.55	10.16	4.04	3.17	3.07
3450	5.82	5.48	0.34	2.46	9.97	4.39	3.37	3.29
3500	6.07	5.72	0.35	2.37	9.79	4.78	3.58	3.52

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-0° Power Splitter/Combiner

BP2U1+

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
1500	3.59	3.58	0.01	0.19	8.99	1.52	1.66	1.69
1550	3.59	3.57	0.02	0.18	9.49	1.49	1.64	1.67
1600	3.58	3.55	0.03	0.16	10.02	1.46	1.61	1.64
1650	3.57	3.55	0.02	0.13	10.61	1.43	1.58	1.61
1700	3.56	3.53	0.03	0.06	11.26	1.40	1.55	1.58
1750	3.55	3.52	0.03	0.13	11.96	1.37	1.52	1.54
1800	3.54	3.51	0.03	0.13	12.75	1.33	1.48	1.51
1850	3.53	3.49	0.04	0.16	13.63	1.29	1.45	1.47
1900	3.53	3.49	0.04	0.15	14.59	1.26	1.41	1.43
1950	3.53	3.48	0.05	0.16	15.70	1.22	1.37	1.39
2000	3.52	3.47	0.05	0.20	16.96	1.18	1.33	1.35
2050	3.52	3.47	0.05	0.20	18.41	1.14	1.29	1.31
2100	3.53	3.47	0.06	0.27	20.19	1.10	1.25	1.27
2150	3.53	3.47	0.06	0.29	22.37	1.06	1.20	1.22
2200	3.54	3.47	0.07	0.31	25.22	1.02	1.16	1.18
2250	3.56	3.48	0.08	0.29	29.59	1.01	1.12	1.14
2300	3.57	3.49	0.08	0.34	38.19	1.05	1.08	1.10
2350	3.60	3.51	0.09	0.39	42.04	1.10	1.05	1.08
2400	3.62	3.53	0.09	0.40	31.26	1.15	1.05	1.09
2450	3.65	3.55	0.10	0.43	26.61	1.20	1.09	1.12
2500	3.69	3.58	0.11	0.42	23.74	1.26	1.14	1.17
2505	3.70	3.59	0.11	0.40	23.46	1.27	1.14	1.17
2510	3.70	3.59	0.11	0.39	23.22	1.28	1.15	1.18
2520	3.71	3.60	0.11	0.40	22.77	1.29	1.16	1.19
2530	3.71	3.61	0.10	0.45	22.35	1.30	1.17	1.20
2540	3.73	3.62	0.11	0.43	21.92	1.32	1.18	1.21
2550	3.74	3.63	0.11	0.43	21.56	1.33	1.19	1.22
2560	3.74	3.63	0.11	0.49	21.20	1.34	1.20	1.24
2570	3.75	3.64	0.11	0.47	20.89	1.36	1.22	1.25
2580	3.77	3.65	0.12	0.43	20.57	1.37	1.23	1.26
2590	3.78	3.66	0.12	0.41	20.24	1.39	1.24	1.27
2600	3.79	3.67	0.12	0.37	19.94	1.40	1.25	1.29
2650	3.84	3.73	0.11	0.52	18.62	1.48	1.32	1.36
2700	3.90	3.80	0.10	0.53	17.48	1.56	1.39	1.43
2750	3.98	3.88	0.10	0.61	16.54	1.65	1.46	1.51
2800	4.06	3.96	0.10	0.67	15.69	1.75	1.55	1.60
2850	4.15	4.05	0.10	0.72	14.97	1.86	1.64	1.69
2900	4.25	4.16	0.09	0.77	14.31	1.97	1.73	1.78
2950	4.36	4.28	0.08	0.90	13.72	2.10	1.82	1.89
3000	4.49	4.41	0.08	1.07	13.19	2.23	1.92	1.99
3050	4.62	4.54	0.08	1.15	12.70	2.38	2.03	2.10
3100	4.77	4.70	0.07	1.34	12.27	2.54	2.15	2.22
3150	4.93	4.86	0.07	1.56	11.84	2.71	2.26	2.34
3200	5.10	5.03	0.07	1.79	11.44	2.89	2.39	2.46
3250	5.29	5.21	0.08	2.10	11.08	3.09	2.52	2.57
3300	5.49	5.40	0.09	2.34	10.75	3.30	2.66	2.70
3350	5.70	5.60	0.10	2.60	10.42	3.52	2.79	2.82
3400	5.92	5.80	0.12	2.86	10.13	3.76	2.94	2.93
3450	6.15	6.01	0.14	3.19	9.86	4.00	3.09	3.05
3500	6.40	6.22	0.18	3.43	9.61	4.27	3.24	3.18

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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