

2 Way-0° Power Splitter/Combiner

SBB-2-18+

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) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
650	3.64	3.63	0.01	0.19	6.84	1.92	1.31	1.32
700	3.63	3.63	0.00	0.22	7.26	1.91	1.27	1.28
750	3.63	3.63	0.01	0.20	7.70	1.89	1.23	1.24
800	3.63	3.62	0.01	0.24	8.15	1.87	1.20	1.20
850	3.62	3.61	0.01	0.27	8.65	1.85	1.17	1.18
900	3.61	3.60	0.01	0.27	9.16	1.83	1.14	1.15
950	3.59	3.59	0.00	0.29	9.70	1.80	1.13	1.14
1000	3.58	3.57	0.01	0.30	10.29	1.77	1.11	1.12
1050	3.57	3.55	0.02	0.33	10.91	1.74	1.10	1.11
1100	3.55	3.54	0.01	0.32	11.59	1.69	1.10	1.10
1150	3.53	3.51	0.02	0.32	12.33	1.65	1.09	1.10
1200	3.51	3.49	0.02	0.33	13.15	1.60	1.09	1.10
1250	3.48	3.46	0.02	0.36	14.04	1.55	1.08	1.09
1300	3.45	3.43	0.02	0.37	15.04	1.49	1.08	1.08
1325	3.44	3.42	0.02	0.39	15.60	1.46	1.08	1.08
1350	3.43	3.41	0.02	0.39	16.21	1.43	1.07	1.08
1375	3.42	3.39	0.03	0.38	16.87	1.40	1.07	1.07
1400	3.41	3.38	0.03	0.38	17.57	1.37	1.06	1.06
1425	3.39	3.37	0.02	0.42	18.33	1.34	1.06	1.06
1450	3.38	3.36	0.02	0.39	19.16	1.30	1.05	1.05
1475	3.38	3.35	0.03	0.39	20.11	1.27	1.05	1.04
1500	3.37	3.34	0.03	0.40	21.19	1.23	1.04	1.03
1525	3.36	3.33	0.03	0.39	22.39	1.20	1.04	1.03
1550	3.36	3.33	0.03	0.40	23.79	1.16	1.04	1.02
1575	3.36	3.32	0.04	0.41	25.44	1.12	1.05	1.02
1600	3.36	3.32	0.04	0.43	27.45	1.09	1.05	1.03
1625	3.36	3.32	0.04	0.41	30.10	1.05	1.07	1.05
1650	3.36	3.32	0.04	0.43	33.65	1.01	1.08	1.06
1675	3.37	3.33	0.04	0.42	38.53	1.03	1.10	1.08
1700	3.39	3.34	0.05	0.39	39.40	1.06	1.12	1.10
1725	3.40	3.35	0.05	0.42	34.56	1.11	1.14	1.12
1750	3.42	3.37	0.05	0.43	30.75	1.15	1.16	1.14
1775	3.45	3.39	0.06	0.42	28.04	1.20	1.19	1.17
1800	3.47	3.41	0.06	0.41	26.00	1.25	1.21	1.20
1850	3.54	3.48	0.06	0.41	22.91	1.37	1.27	1.25
1900	3.64	3.57	0.07	0.41	20.69	1.50	1.34	1.32
1950	3.76	3.68	0.07	0.42	18.98	1.65	1.42	1.40
2000	3.90	3.82	0.08	0.40	17.67	1.82	1.51	1.48
2050	4.06	3.98	0.08	0.35	16.58	2.01	1.60	1.57
2100	4.26	4.17	0.09	0.33	15.69	2.23	1.71	1.67
2150	4.48	4.38	0.10	0.34	14.95	2.48	1.82	1.78
2200	4.72	4.61	0.11	0.33	14.36	2.75	1.94	1.90
2250	4.98	4.87	0.11	0.27	13.87	3.05	2.07	2.02
2300	5.26	5.15	0.11	0.26	13.47	3.38	2.20	2.15
2350	5.56	5.44	0.12	0.21	13.17	3.73	2.34	2.28
2400	5.86	5.74	0.13	0.19	12.92	4.12	2.49	2.42
2450	6.18	6.05	0.13	0.18	12.74	4.54	2.63	2.56
2500	6.50	6.37	0.13	0.18	12.60	4.99	2.79	2.70

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

REV. X2
SBB-2-18+
100627
Page 1 of 3



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2 Way-0° Power Splitter/Combiner

SBB-2-18+

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) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
650	3.55	3.53	0.02	0.81	6.73	1.93	1.32	1.32
700	3.52	3.54	0.02	0.92	7.14	1.93	1.27	1.29
750	3.53	3.53	0.00	0.96	7.57	1.91	1.23	1.24
800	3.51	3.52	0.01	1.07	8.02	1.89	1.20	1.21
850	3.50	3.49	0.01	1.15	8.52	1.87	1.18	1.18
900	3.48	3.48	0.00	1.15	9.01	1.85	1.15	1.16
950	3.46	3.46	0.00	1.18	9.56	1.82	1.14	1.14
1000	3.44	3.45	0.00	1.27	10.14	1.79	1.12	1.13
1050	3.43	3.43	0.00	1.35	10.74	1.75	1.11	1.12
1100	3.40	3.40	0.00	1.43	11.41	1.71	1.10	1.12
1150	3.39	3.38	0.01	1.49	12.10	1.68	1.10	1.12
1200	3.35	3.35	0.00	1.54	12.91	1.63	1.10	1.11
1250	3.33	3.32	0.01	1.60	13.74	1.59	1.10	1.12
1300	3.30	3.29	0.01	1.64	14.77	1.53	1.10	1.11
1325	3.28	3.27	0.01	1.70	15.37	1.49	1.10	1.11
1350	3.27	3.25	0.02	1.71	15.94	1.47	1.09	1.10
1375	3.26	3.24	0.02	1.73	16.54	1.44	1.09	1.10
1400	3.25	3.23	0.02	1.77	17.25	1.41	1.08	1.09
1425	3.23	3.21	0.02	1.82	18.04	1.37	1.08	1.08
1450	3.22	3.19	0.03	1.80	18.81	1.34	1.07	1.08
1475	3.21	3.19	0.02	1.80	19.66	1.31	1.07	1.07
1500	3.20	3.18	0.02	1.87	20.73	1.27	1.06	1.06
1525	3.19	3.16	0.03	1.88	21.98	1.23	1.05	1.05
1550	3.18	3.15	0.03	1.94	23.39	1.19	1.04	1.04
1575	3.18	3.14	0.04	1.94	24.94	1.16	1.04	1.03
1600	3.17	3.14	0.03	2.00	26.89	1.12	1.04	1.02
1625	3.17	3.13	0.04	2.02	29.62	1.08	1.05	1.02
1650	3.16	3.13	0.03	2.04	33.20	1.05	1.06	1.03
1675	3.17	3.13	0.04	2.04	38.12	1.01	1.08	1.05
1700	3.18	3.14	0.04	2.05	39.07	1.03	1.09	1.07
1725	3.19	3.15	0.04	2.09	33.97	1.08	1.11	1.09
1750	3.21	3.16	0.05	2.10	30.17	1.13	1.14	1.12
1775	3.23	3.18	0.05	2.11	27.51	1.18	1.16	1.15
1800	3.25	3.20	0.05	2.15	25.50	1.23	1.19	1.18
1850	3.32	3.27	0.05	2.18	22.37	1.36	1.26	1.24
1900	3.42	3.36	0.06	2.25	20.16	1.51	1.33	1.32
1950	3.53	3.47	0.06	2.35	18.57	1.66	1.42	1.40
2000	3.68	3.62	0.07	2.35	17.15	1.87	1.52	1.50
2050	3.85	3.78	0.07	2.40	16.14	2.07	1.62	1.60
2100	4.05	3.97	0.08	2.45	15.22	2.32	1.73	1.70
2150	4.28	4.18	0.10	2.46	14.53	2.58	1.85	1.81
2200	4.53	4.43	0.10	2.54	13.97	2.89	1.99	1.94
2250	4.78	4.69	0.09	2.49	13.51	3.23	2.12	2.07
2300	5.05	4.96	0.09	2.59	13.11	3.58	2.25	2.20
2350	5.35	5.24	0.11	2.61	12.81	3.99	2.40	2.34
2400	5.65	5.53	0.12	2.61	12.58	4.43	2.56	2.48
2450	5.93	5.82	0.11	2.62	12.39	4.87	2.69	2.61
2500	6.25	6.11	0.14	2.67	12.24	5.37	2.86	2.75

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

REV. X2
SBB-2-18+
100627
Page 2 of 3



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2 Way-0° Power Splitter/Combiner

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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) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
650	3.69	3.67	0.02	0.04	6.88	1.92	1.31	1.31
700	3.68	3.68	0.00	0.07	7.30	1.91	1.26	1.27
750	3.68	3.68	0.01	0.08	7.75	1.89	1.22	1.23
800	3.68	3.67	0.01	0.07	8.21	1.87	1.19	1.20
850	3.67	3.66	0.01	0.03	8.72	1.84	1.16	1.17
900	3.66	3.65	0.01	0.07	9.23	1.82	1.13	1.14
950	3.65	3.64	0.01	0.07	9.78	1.79	1.12	1.12
1000	3.63	3.62	0.01	0.07	10.39	1.76	1.10	1.11
1050	3.62	3.60	0.02	0.07	11.04	1.71	1.09	1.10
1100	3.60	3.59	0.01	0.13	11.73	1.67	1.08	1.09
1150	3.58	3.56	0.02	0.14	12.49	1.62	1.07	1.08
1200	3.56	3.54	0.02	0.14	13.32	1.57	1.07	1.07
1250	3.53	3.52	0.01	0.12	14.23	1.51	1.06	1.06
1300	3.51	3.49	0.02	0.16	15.26	1.45	1.05	1.05
1325	3.50	3.48	0.02	0.15	15.83	1.43	1.05	1.05
1350	3.49	3.46	0.03	0.16	16.44	1.39	1.05	1.04
1375	3.48	3.45	0.03	0.16	17.11	1.36	1.04	1.04
1400	3.47	3.44	0.03	0.16	17.82	1.33	1.04	1.03
1425	3.46	3.43	0.03	0.16	18.58	1.30	1.03	1.02
1450	3.45	3.42	0.03	0.17	19.42	1.26	1.03	1.02
1475	3.45	3.42	0.03	0.20	20.38	1.23	1.03	1.01
1500	3.44	3.41	0.03	0.18	21.49	1.19	1.04	1.02
1525	3.45	3.41	0.04	0.22	22.68	1.16	1.04	1.03
1550	3.44	3.40	0.04	0.20	24.07	1.13	1.05	1.03
1575	3.45	3.40	0.05	0.21	25.71	1.09	1.06	1.05
1600	3.44	3.40	0.04	0.20	27.70	1.06	1.07	1.06
1625	3.45	3.41	0.04	0.21	30.33	1.02	1.09	1.07
1650	3.46	3.41	0.05	0.19	33.83	1.02	1.10	1.09
1675	3.48	3.42	0.06	0.24	38.68	1.05	1.12	1.11
1700	3.49	3.44	0.05	0.24	40.06	1.09	1.14	1.13
1725	3.51	3.45	0.06	0.23	35.13	1.13	1.16	1.15
1750	3.53	3.47	0.06	0.25	31.28	1.17	1.18	1.17
1775	3.56	3.50	0.07	0.26	28.59	1.22	1.21	1.19
1800	3.58	3.52	0.06	0.28	26.50	1.27	1.23	1.22
1850	3.66	3.59	0.07	0.30	23.35	1.38	1.28	1.27
1900	3.75	3.68	0.07	0.32	21.14	1.50	1.35	1.33
1950	3.87	3.79	0.08	0.30	19.46	1.64	1.42	1.40
2000	4.00	3.92	0.09	0.40	18.08	1.80	1.50	1.47
2050	4.16	4.07	0.09	0.46	16.98	1.97	1.59	1.56
2100	4.35	4.25	0.10	0.49	16.06	2.17	1.69	1.65
2150	4.56	4.44	0.12	0.55	15.31	2.39	1.80	1.75
2200	4.79	4.68	0.11	0.61	14.68	2.64	1.91	1.85
2250	5.05	4.93	0.12	0.66	14.19	2.91	2.03	1.97
2300	5.32	5.20	0.12	0.68	13.76	3.22	2.16	2.10
2350	5.62	5.48	0.14	0.75	13.44	3.54	2.30	2.22
2400	5.92	5.78	0.14	0.81	13.18	3.89	2.44	2.36
2450	6.25	6.10	0.15	0.87	12.97	4.27	2.58	2.50
2500	6.59	6.43	0.16	0.88	12.82	4.69	2.74	2.65

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

REV. X2
SBB-2-18+
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Page 3 of 3



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