

2 Way-0° Power Splitter/Combiner

SBTC-2-25L+

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
300	5.50	4.08	1.42	5.95	26.95	3.03	4.31	3.13
400	4.89	3.77	1.12	5.22	29.95	2.44	3.15	2.44
500	4.56	3.63	0.93	4.30	31.04	2.15	2.57	2.07
600	4.37	3.57	0.80	3.49	28.99	1.97	2.22	1.85
700	4.25	3.54	0.71	2.69	26.51	1.86	1.99	1.69
800	4.17	3.55	0.63	1.96	24.34	1.78	1.83	1.58
900	4.13	3.55	0.57	1.41	22.69	1.73	1.72	1.50
1000	4.09	3.57	0.52	0.90	21.39	1.68	1.63	1.43
1050	4.08	3.59	0.49	0.62	20.80	1.66	1.59	1.40
1100	4.07	3.60	0.47	0.45	20.30	1.64	1.56	1.38
1200	4.05	3.63	0.42	0.08	19.44	1.61	1.50	1.33
1300	4.04	3.66	0.38	0.20	18.74	1.59	1.45	1.29
1400	4.03	3.69	0.34	0.43	18.22	1.56	1.41	1.25
1450	4.02	3.70	0.32	0.56	18.00	1.55	1.40	1.23
1500	4.02	3.72	0.30	0.64	17.83	1.54	1.38	1.21
1600	4.01	3.75	0.26	0.77	17.55	1.52	1.35	1.18
1700	4.00	3.78	0.22	0.81	17.40	1.50	1.33	1.15
1800	4.00	3.80	0.19	0.83	17.38	1.48	1.31	1.13
1850	3.99	3.81	0.17	0.79	17.44	1.47	1.30	1.12
1900	3.98	3.83	0.16	0.76	17.51	1.45	1.29	1.11
2000	3.97	3.85	0.13	0.65	17.77	1.42	1.28	1.09
2050	3.97	3.85	0.11	0.56	17.94	1.40	1.27	1.08
2100	3.96	3.86	0.09	0.46	18.17	1.38	1.26	1.08
2200	3.95	3.88	0.07	0.19	18.71	1.33	1.25	1.06
2300	3.94	3.89	0.05	0.11	19.32	1.27	1.23	1.04
2400	3.95	3.91	0.03	0.46	19.88	1.22	1.20	1.02
2450	3.95	3.93	0.02	0.67	20.00	1.19	1.19	1.02
2500	3.97	3.95	0.02	0.90	19.96	1.18	1.17	1.03
2600	4.03	4.02	0.00	1.31	19.18	1.21	1.13	1.08
2700	4.15	4.14	0.01	1.79	17.56	1.33	1.07	1.14
2800	4.35	4.34	0.00	2.22	15.57	1.52	1.01	1.23
2900	4.66	4.65	0.01	2.61	13.63	1.80	1.06	1.33
3000	5.10	5.09	0.01	2.93	11.93	2.17	1.14	1.46
3100	5.68	5.67	0.01	3.21	10.51	2.66	1.23	1.60
3200	6.39	6.38	0.01	3.26	9.40	3.28	1.32	1.74
3300	7.23	7.22	0.01	3.27	8.54	4.03	1.41	1.88
3400	8.14	8.14	0.00	2.93	7.89	4.91	1.48	2.01
3500	9.11	9.12	0.01	2.31	7.39	5.88	1.55	2.12

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

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2 Way-0° Power Splitter/Combiner

SBTC-2-25L+

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
300	5.48	4.05	1.43	6.31	27.12	3.06	4.38	3.16
400	4.90	3.77	1.12	5.61	30.73	2.51	3.24	2.51
500	4.54	3.61	0.94	4.74	31.68	2.19	2.63	2.12
600	4.34	3.53	0.81	4.04	29.20	2.01	2.28	1.88
700	4.21	3.49	0.72	3.38	26.60	1.90	2.05	1.72
800	4.10	3.47	0.62	2.83	24.50	1.80	1.86	1.61
900	4.05	3.48	0.57	2.36	22.58	1.75	1.74	1.52
1000	4.01	3.49	0.52	1.88	21.30	1.71	1.66	1.45
1050	3.99	3.50	0.49	1.70	20.72	1.69	1.62	1.44
1100	3.98	3.52	0.47	1.56	20.20	1.68	1.60	1.41
1200	3.96	3.54	0.42	1.32	19.42	1.64	1.54	1.37
1300	3.93	3.56	0.38	1.12	18.71	1.61	1.49	1.32
1400	3.91	3.57	0.34	0.98	18.17	1.58	1.44	1.27
1450	3.90	3.58	0.31	0.90	17.94	1.56	1.41	1.24
1500	3.88	3.59	0.29	0.86	17.79	1.55	1.39	1.22
1600	3.86	3.61	0.25	0.84	17.58	1.51	1.35	1.19
1700	3.84	3.62	0.21	0.88	17.40	1.48	1.31	1.15
1800	3.81	3.64	0.18	0.97	17.41	1.44	1.28	1.11
1850	3.80	3.64	0.16	1.01	17.46	1.43	1.28	1.09
1900	3.80	3.65	0.14	1.06	17.50	1.42	1.27	1.08
2000	3.77	3.66	0.11	1.22	17.75	1.37	1.24	1.06
2050	3.77	3.67	0.10	1.35	17.89	1.36	1.23	1.05
2100	3.76	3.68	0.09	1.45	18.06	1.34	1.23	1.05
2200	3.76	3.69	0.06	1.77	18.53	1.30	1.22	1.05
2300	3.75	3.71	0.04	2.15	19.01	1.26	1.21	1.04
2400	3.77	3.73	0.04	2.59	19.41	1.22	1.21	1.03
2450	3.77	3.74	0.02	2.86	19.48	1.20	1.20	1.02
2500	3.78	3.76	0.02	3.12	19.46	1.19	1.19	1.03
2600	3.83	3.81	0.02	3.65	18.85	1.20	1.17	1.04
2700	3.92	3.90	0.02	4.28	17.50	1.29	1.12	1.09
2800	4.08	4.06	0.03	4.84	15.72	1.45	1.07	1.18
2900	4.34	4.30	0.04	5.35	13.85	1.68	1.03	1.28
3000	4.73	4.69	0.04	5.94	12.13	2.03	1.10	1.43
3100	5.29	5.25	0.04	6.41	10.66	2.53	1.20	1.61
3200	6.00	5.97	0.02	6.71	9.48	3.18	1.31	1.78
3300	6.86	6.84	0.02	6.88	8.58	4.03	1.43	1.97
3400	7.84	7.85	0.02	6.78	7.88	5.09	1.54	2.13
3500	8.86	8.91	0.05	6.32	7.37	6.29	1.64	2.27

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

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2 Way-0° Power Splitter/Combiner

SBTC-2-25L+

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
300	5.51	4.10	1.41	5.77	26.71	3.01	4.28	3.12
400	4.87	3.76	1.12	5.02	29.29	2.38	3.09	2.40
500	4.56	3.63	0.93	4.06	30.59	2.09	2.52	2.03
600	4.37	3.58	0.80	3.14	28.91	1.92	2.17	1.81
700	4.26	3.56	0.70	2.31	26.50	1.82	1.95	1.66
800	4.20	3.58	0.62	1.51	24.30	1.74	1.79	1.55
900	4.15	3.59	0.56	0.89	22.65	1.69	1.68	1.47
1000	4.13	3.62	0.52	0.29	21.34	1.65	1.60	1.40
1050	4.12	3.64	0.49	0.01	20.73	1.63	1.56	1.38
1100	4.12	3.66	0.46	0.22	20.20	1.62	1.53	1.35
1200	4.11	3.69	0.42	0.64	19.35	1.59	1.47	1.31
1300	4.11	3.73	0.38	1.00	18.63	1.58	1.44	1.27
1400	4.11	3.77	0.34	1.27	18.13	1.57	1.41	1.24
1450	4.12	3.80	0.32	1.42	17.92	1.56	1.40	1.23
1500	4.12	3.82	0.30	1.54	17.74	1.56	1.39	1.21
1600	4.13	3.86	0.26	1.69	17.46	1.55	1.37	1.19
1700	4.12	3.89	0.23	1.80	17.34	1.54	1.35	1.17
1800	4.12	3.93	0.19	1.85	17.33	1.52	1.34	1.15
1850	4.12	3.94	0.18	1.87	17.42	1.51	1.34	1.15
1900	4.12	3.96	0.16	1.84	17.50	1.50	1.33	1.14
2000	4.11	3.98	0.13	1.78	17.82	1.47	1.33	1.13
2050	4.11	3.99	0.12	1.67	18.03	1.45	1.32	1.12
2100	4.10	4.00	0.10	1.58	18.31	1.43	1.31	1.11
2200	4.08	4.01	0.07	1.35	18.97	1.37	1.29	1.09
2300	4.07	4.02	0.05	1.01	19.75	1.30	1.26	1.05
2400	4.07	4.05	0.02	0.69	20.50	1.22	1.22	1.01
2450	4.07	4.06	0.01	0.47	20.69	1.19	1.19	1.02
2500	4.09	4.09	0.00	0.28	20.61	1.18	1.17	1.05
2600	4.16	4.18	0.02	0.08	19.52	1.23	1.10	1.11
2700	4.31	4.34	0.03	0.49	17.56	1.38	1.04	1.20
2800	4.56	4.60	0.04	0.80	15.37	1.62	1.05	1.29
2900	4.94	4.98	0.05	1.07	13.38	1.94	1.13	1.41
3000	5.45	5.50	0.05	1.26	11.72	2.37	1.22	1.54
3100	6.07	6.12	0.05	1.47	10.37	2.89	1.31	1.66
3200	6.80	6.85	0.05	1.31	9.32	3.51	1.39	1.77
3300	7.63	7.66	0.03	1.13	8.51	4.23	1.46	1.88
3400	8.50	8.53	0.03	0.65	7.89	5.01	1.51	1.98
3500	9.40	9.42	0.03	0.15	7.41	5.84	1.55	2.05

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

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