

2 Way-0° Power Splitter/Combiner

SCN-2-15

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
700	3.46	3.44	0.02	0.01	12.07	1.72	1.17	1.16
750	3.44	3.43	0.01	0.06	12.81	1.69	1.16	1.15
800	3.42	3.41	0.01	0.11	13.59	1.65	1.16	1.15
875	3.39	3.39	0.00	0.12	14.88	1.59	1.16	1.15
900	3.37	3.38	0.01	0.14	15.36	1.57	1.17	1.15
1000	3.33	3.36	0.03	0.20	17.56	1.50	1.19	1.17
1100	3.28	3.33	0.05	0.24	20.66	1.41	1.21	1.19
1125	3.27	3.33	0.06	0.25	21.68	1.39	1.22	1.20
1175	3.25	3.32	0.07	0.26	24.11	1.35	1.23	1.21
1200	3.23	3.32	0.09	0.27	25.68	1.33	1.24	1.21
1225	3.23	3.32	0.09	0.27	27.64	1.31	1.24	1.22
1250	3.21	3.31	0.10	0.27	30.08	1.29	1.25	1.23
1275	3.21	3.31	0.10	0.26	33.33	1.27	1.26	1.23
1300	3.19	3.31	0.12	0.27	36.78	1.25	1.26	1.24
1325	3.18	3.31	0.13	0.27	36.73	1.22	1.27	1.24
1350	3.18	3.31	0.13	0.28	33.13	1.21	1.27	1.25
1375	3.17	3.32	0.15	0.27	29.80	1.19	1.28	1.25
1400	3.16	3.32	0.16	0.28	27.17	1.17	1.28	1.25
1425	3.16	3.33	0.17	0.28	25.05	1.16	1.29	1.26
1450	3.15	3.33	0.18	0.29	23.31	1.15	1.29	1.26
1500	3.15	3.35	0.20	0.29	20.56	1.15	1.30	1.27
1600	3.15	3.41	0.26	0.23	16.54	1.20	1.30	1.27
1700	3.19	3.51	0.32	0.15	13.62	1.33	1.30	1.27
1800	3.26	3.66	0.40	0.05	11.32	1.50	1.29	1.27

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

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2 Way-0° Power Splitter/Combiner

SCN-2-15

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = -55°C

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
700	3.37	3.33	0.04	2.71	11.96	1.73	1.18	1.17
750	3.35	3.31	0.04	2.95	12.67	1.70	1.16	1.16
800	3.32	3.29	0.03	3.22	13.45	1.66	1.16	1.15
875	3.28	3.26	0.02	3.54	14.72	1.60	1.16	1.15
900	3.27	3.25	0.02	3.65	15.19	1.58	1.16	1.15
1000	3.21	3.21	0.00	4.11	17.30	1.50	1.18	1.16
1100	3.16	3.18	0.02	4.54	20.21	1.42	1.21	1.17
1125	3.15	3.17	0.02	4.66	21.16	1.40	1.21	1.18
1175	3.12	3.16	0.04	4.87	23.43	1.35	1.23	1.19
1200	3.11	3.15	0.04	4.99	24.74	1.33	1.23	1.19
1225	3.10	3.15	0.05	5.09	26.31	1.31	1.24	1.20
1250	3.09	3.14	0.05	5.22	28.28	1.29	1.25	1.20
1275	3.08	3.14	0.06	5.31	30.86	1.27	1.25	1.21
1300	3.07	3.14	0.07	5.41	33.88	1.25	1.26	1.22
1325	3.06	3.13	0.07	5.53	36.11	1.23	1.27	1.22
1350	3.05	3.13	0.08	5.66	34.83	1.22	1.28	1.23
1375	3.04	3.13	0.09	5.79	31.55	1.20	1.28	1.24
1400	3.03	3.13	0.10	5.91	28.56	1.18	1.29	1.24
1425	3.02	3.14	0.11	6.00	26.19	1.17	1.29	1.25
1450	3.02	3.14	0.12	6.13	24.33	1.15	1.29	1.25
1500	3.01	3.15	0.14	6.41	21.41	1.15	1.30	1.26
1600	3.00	3.20	0.20	6.80	17.10	1.20	1.32	1.28
1700	3.02	3.28	0.26	7.24	13.95	1.32	1.31	1.29
1800	3.07	3.42	0.35	7.53	11.56	1.48	1.31	1.31

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

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2 Way-0° Power Splitter/Combiner

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Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +100°C

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
700	3.50	3.48	0.02	3.52	12.12	1.73	1.16	1.14
750	3.49	3.47	0.02	3.69	12.88	1.70	1.15	1.14
800	3.46	3.46	0.00	3.90	13.69	1.66	1.16	1.14
875	3.44	3.44	0.00	4.23	15.04	1.61	1.17	1.16
900	3.43	3.43	0.00	4.33	15.56	1.59	1.18	1.17
1000	3.38	3.41	0.03	4.75	17.95	1.50	1.20	1.19
1100	3.33	3.39	0.06	5.20	21.40	1.41	1.22	1.22
1125	3.32	3.39	0.07	5.31	22.54	1.39	1.23	1.22
1175	3.30	3.38	0.08	5.55	25.42	1.35	1.24	1.24
1200	3.28	3.38	0.10	5.68	27.33	1.33	1.25	1.25
1225	3.28	3.38	0.10	5.80	29.86	1.30	1.25	1.25
1250	3.27	3.38	0.11	5.92	33.21	1.28	1.25	1.26
1275	3.26	3.38	0.12	6.08	38.00	1.26	1.26	1.26
1300	3.25	3.38	0.13	6.21	39.62	1.24	1.26	1.26
1325	3.24	3.38	0.14	6.35	34.90	1.22	1.27	1.27
1350	3.23	3.39	0.16	6.47	30.78	1.20	1.27	1.27
1375	3.22	3.39	0.17	6.59	27.80	1.18	1.27	1.27
1400	3.22	3.40	0.18	6.74	25.53	1.16	1.27	1.28
1425	3.21	3.41	0.20	6.89	23.68	1.15	1.28	1.28
1450	3.21	3.42	0.21	7.02	22.12	1.14	1.28	1.28
1500	3.21	3.44	0.23	7.27	19.60	1.14	1.28	1.28
1600	3.22	3.52	0.30	7.91	15.86	1.22	1.28	1.27
1700	3.27	3.64	0.37	8.62	13.11	1.36	1.27	1.27
1800	3.37	3.81	0.44	9.51	10.91	1.55	1.25	1.26

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

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