

4 Way-0° Power Splitter/Combiner

SCA-ED10856/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)				AMP. UNBAL. (dB)	ISOLATION (dB)			PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)				
	S-1	S-2	S-3	S-4		1-2	2-3	3-4			S	1	2	3	4
1.0	8.45	7.63	8.47	9.25	1.61	22.71	38.38	48.71	7.70	1.0	1.87	2.86	2.43	2.55	2.96
3.0	7.58	7.01	7.53	8.05	1.03	26.48	43.15	39.96	4.46	3.0	1.35	1.98	1.76	1.79	2.00
5.0	7.37	6.87	7.29	7.74	0.87	29.67	45.87	39.16	3.20	5.0	1.22	1.77	1.59	1.63	1.78
7.0	7.27	6.83	7.19	7.62	0.78	32.07	46.68	38.92	2.56	7.0	1.16	1.67	1.52	1.56	1.70
9.0	7.22	6.79	7.16	7.55	0.76	33.79	47.15	38.64	2.04	9.0	1.12	1.63	1.49	1.53	1.65
10.0	7.21	6.78	7.13	7.53	0.74	34.55	47.34	38.48	1.86	10.0	1.11	1.61	1.48	1.51	1.64
20.0	7.12	6.73	7.07	7.44	0.71	39.97	49.42	37.38	1.17	20.0	1.03	1.55	1.43	1.47	1.59
30.0	7.10	6.74	7.07	7.41	0.67	44.36	51.64	37.03	0.88	30.0	1.02	1.53	1.43	1.47	1.57
40.0	7.14	6.76	7.09	7.45	0.70	50.25	50.62	36.91	0.72	40.0	1.03	1.53	1.42	1.46	1.57
50.0	7.12	6.75	7.07	7.43	0.68	55.90	48.97	36.97	0.85	50.0	1.05	1.52	1.42	1.46	1.57
60.0	7.12	6.77	7.11	7.44	0.67	57.22	47.55	37.19	0.77	60.0	1.06	1.53	1.42	1.46	1.57
70.0	7.15	6.77	7.09	7.47	0.70	59.48	47.92	37.24	0.80	70.0	1.08	1.52	1.42	1.45	1.56
80.0	7.14	6.77	7.09	7.44	0.67	61.61	49.57	36.64	1.04	80.0	1.10	1.51	1.42	1.45	1.56
90.0	7.16	6.81	7.13	7.47	0.66	57.92	51.12	36.06	0.71	90.0	1.11	1.51	1.42	1.46	1.56
100.0	7.16	6.77	7.10	7.48	0.71	54.20	50.69	35.59	0.94	100.0	1.14	1.51	1.43	1.46	1.55
150.0	7.22	6.83	7.15	7.53	0.70	46.44	55.32	34.41	1.21	150.0	1.21	1.50	1.43	1.45	1.54
200.0	7.22	6.87	7.17	7.53	0.66	40.79	60.68	32.90	1.45	200.0	1.28	1.50	1.44	1.45	1.52
250.0	7.23	6.91	7.20	7.53	0.62	36.85	51.75	31.38	1.84	250.0	1.35	1.49	1.45	1.44	1.51
275.0	7.25	6.94	7.22	7.52	0.58	34.48	45.38	30.26	2.08	275.0	1.39	1.49	1.46	1.46	1.51
300.0	7.28	6.95	7.24	7.56	0.61	33.63	44.66	29.84	2.13	300.0	1.41	1.48	1.45	1.44	1.49
325.0	7.32	7.00	7.27	7.58	0.59	31.80	41.54	28.85	2.29	325.0	1.44	1.48	1.46	1.45	1.49
350.0	7.30	6.98	7.26	7.56	0.58	30.57	39.62	28.09	2.28	350.0	1.45	1.46	1.46	1.44	1.47
375.0	7.30	6.99	7.26	7.56	0.57	29.52	38.95	27.61	2.41	375.0	1.48	1.46	1.46	1.44	1.46
400.0	7.30	7.01	7.27	7.56	0.55	28.11	36.47	26.70	2.40	400.0	1.49	1.46	1.46	1.43	1.45
425.0	7.30	7.00	7.28	7.56	0.55	27.37	35.86	26.16	2.58	425.0	1.49	1.45	1.46	1.43	1.44
450.0	7.35	7.04	7.30	7.60	0.57	26.35	34.59	25.54	2.63	450.0	1.49	1.44	1.45	1.43	1.43
475.0	7.33	7.03	7.32	7.58	0.55	25.55	33.58	24.95	3.03	475.0	1.50	1.43	1.45	1.41	1.42
500.0	7.35	7.03	7.31	7.59	0.56	24.85	32.80	24.50	2.83	500.0	1.50	1.42	1.44	1.41	1.41
525.0	7.36	7.02	7.31	7.59	0.56	24.17	32.06	23.94	3.03	525.0	1.50	1.40	1.43	1.41	1.39
550.0	7.36	7.01	7.31	7.59	0.59	23.54	31.51	23.53	2.92	550.0	1.50	1.41	1.42	1.39	1.39
575.0	7.35	7.01	7.30	7.59	0.57	22.92	30.70	23.00	3.11	575.0	1.49	1.39	1.42	1.39	1.37
600.0	7.37	7.02	7.32	7.60	0.58	22.50	30.41	22.70	2.98	600.0	1.48	1.38	1.40	1.38	1.36
625.0	7.39	7.06	7.35	7.62	0.56	21.86	29.78	22.25	3.12	625.0	1.50	1.37	1.39	1.36	1.35
650.0	7.39	7.04	7.35	7.63	0.59	21.50	29.23	21.96	3.11	650.0	1.48	1.36	1.39	1.36	1.34
675.0	7.43	7.08	7.38	7.65	0.57	21.11	29.12	21.68	3.31	675.0	1.49	1.34	1.37	1.35	1.33
700.0	7.46	7.11	7.40	7.67	0.56	20.63	28.44	21.27	3.53	700.0	1.49	1.34	1.37	1.34	1.33
750.0	7.50	7.14	7.43	7.70	0.56	19.98	28.11	20.73	3.53	750.0	1.51	1.32	1.34	1.33	1.31
800.0	7.54	7.15	7.45	7.75	0.59	19.37	27.66	20.17	3.59	800.0	1.53	1.31	1.32	1.31	1.30
850.0	7.61	7.23	7.52	7.80	0.57	18.70	27.23	19.60	3.81	850.0	1.53	1.29	1.29	1.30	1.29
875.0	7.65	7.24	7.53	7.83	0.58	18.42	26.90	19.33	3.96	875.0	1.54	1.29	1.30	1.28	1.29
900.0	7.64	7.26	7.54	7.82	0.56	18.17	26.83	19.06	4.14	900.0	1.55	1.28	1.27	1.29	1.29
925.0	7.69	7.28	7.57	7.85	0.57	17.84	26.45	18.73	4.33	925.0	1.57	1.29	1.28	1.28	1.29
950.0	7.73	7.31	7.60	7.88	0.57	17.63	26.25	18.52	4.30	950.0	1.56	1.27	1.25	1.26	1.29
975.0	7.80	7.36	7.65	7.94	0.58	17.41	26.24	18.27	4.50	975.0	1.59	1.29	1.27	1.27	1.30
1000.0	7.84	7.40	7.67	7.98	0.57	17.09	25.74	17.97	4.59	1000.0	1.59	1.26	1.24	1.25	1.29
1100.0	7.90	7.46	7.72	7.99	0.53	16.39	25.15	17.15	4.98	1100.0	1.61	1.26	1.26	1.25	1.30
1200.0	8.04	7.57	7.82	8.10	0.53	15.86	24.45	16.47	5.35	1200.0	1.58	1.25	1.25	1.27	1.29
1300.0	8.09	7.58	7.84	8.08	0.51	15.64	23.83	16.13	5.95	1300.0	1.51	1.24	1.21	1.24	1.30
1400.0	8.19	7.66	7.94	8.13	0.53	15.62	23.64	15.95	6.54	1400.0	1.45	1.25	1.27	1.30	1.32
1500.0	8.35	7.79	8.09	8.28	0.57	15.74	23.56	15.88	6.95	1500.0	1.37	1.32	1.38	1.39	1.37
1600.0	8.55	7.95	8.29	8.44	0.60	15.95	23.38	15.92	7.06	1600.0	1.41	1.40	1.43	1.49	1.46
1700.0	8.86	8.15	8.51	8.71	0.71	15.93	23.16	15.69	7.06	1700.0	1.59	1.49	1.49	1.58	1.54
1800.0	9.21	8.46	8.77	9.03	0.74	15.79	22.71	15.54	7.00	1800.0	1.83	1.60	1.64	1.64	1.63

¹ Total Loss = Insertion Loss + 6dB Splitter Loss

REV. X2

SCA-ED10856/1

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Page 1 of 1



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