

4 Way-0° Power Splitter/Combiner

SCP-ED10233/1

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	1-3	3-4			S	1	2	3	4
0.4	6.45	6.45	6.45	6.46	0.01	29.21	51.06	28.91	0.04	0.4	1.18	1.29	1.29	1.29	1.29
0.6	6.42	6.41	6.41	6.41	0.01	31.15	54.59	31.12	0.03	0.6	1.14	1.23	1.23	1.23	1.23
0.8	6.38	6.39	6.38	6.38	0.01	32.51	57.96	32.76	0.06	0.8	1.13	1.20	1.20	1.20	1.20
1.0	6.35	6.36	6.35	6.35	0.02	33.61	60.85	34.01	0.10	1.0	1.12	1.18	1.18	1.18	1.18
2.0	6.27	6.27	6.28	6.28	0.02	37.07	67.87	37.32	0.05	2.0	1.08	1.13	1.13	1.13	1.13
3.0	6.24	6.24	6.24	6.24	0.00	39.16	62.72	38.72	0.09	3.0	1.07	1.11	1.11	1.11	1.11
4.0	6.24	6.24	6.24	6.24	0.00	40.50	59.98	39.53	0.03	4.0	1.06	1.10	1.10	1.10	1.10
5.0	6.23	6.23	6.22	6.22	0.01	41.28	57.63	39.85	0.09	5.0	1.06	1.10	1.10	1.11	1.10
10.0	6.24	6.23	6.24	6.23	0.01	41.88	51.55	40.22	0.12	10.0	1.05	1.09	1.09	1.09	1.09
20.0	6.26	6.25	6.25	6.24	0.01	39.75	46.35	38.80	0.11	20.0	1.05	1.08	1.08	1.09	1.09
40.0	6.28	6.28	6.27	6.27	0.01	35.85	40.80	35.73	0.18	40.0	1.04	1.09	1.09	1.09	1.09
60.0	6.30	6.30	6.31	6.30	0.01	33.29	37.57	33.22	0.19	60.0	1.05	1.09	1.09	1.09	1.09
80.0	6.32	6.33	6.33	6.32	0.01	31.27	35.31	31.22	0.31	80.0	1.05	1.10	1.09	1.10	1.10
100.0	6.34	6.35	6.34	6.34	0.01	29.74	33.58	29.68	0.36	100.0	1.06	1.11	1.10	1.11	1.11
120.0	6.37	6.35	6.36	6.35	0.02	28.46	32.24	28.43	0.42	120.0	1.06	1.12	1.11	1.11	1.12
140.0	6.38	6.39	6.39	6.38	0.02	27.38	31.01	27.35	0.49	140.0	1.07	1.13	1.12	1.13	1.14
160.0	6.39	6.40	6.39	6.39	0.01	26.42	29.97	26.40	0.60	160.0	1.07	1.14	1.13	1.14	1.15
180.0	6.42	6.42	6.42	6.42	0.01	25.65	29.13	25.61	0.64	180.0	1.08	1.15	1.14	1.15	1.16
200.0	6.45	6.45	6.44	6.43	0.02	24.89	28.32	25.90	0.72	200.0	1.09	1.16	1.15	1.17	1.18
220.0	6.46	6.45	6.45	6.43	0.03	24.27	27.68	24.29	0.67	220.0	1.10	1.18	1.17	1.18	1.19
240.0	6.49	6.48	6.47	6.46	0.03	23.68	27.01	23.74	0.92	240.0	1.11	1.19	1.18	1.19	1.21
260.0	6.51	6.51	6.50	6.48	0.03	23.16	26.43	23.22	0.91	260.0	1.12	1.21	1.19	1.21	1.22
280.0	6.53	6.53	6.50	6.51	0.03	22.72	25.94	22.79	0.99	280.0	1.13	1.23	1.21	1.23	1.24
300.0	6.54	6.54	6.52	6.52	0.02	22.30	25.48	22.41	1.05	300.0	1.14	1.24	1.22	1.24	1.26
325.0	6.58	6.58	6.55	6.54	0.04	21.83	24.95	21.99	1.25	325.0	1.16	1.26	1.24	1.27	1.29
350.0	6.62	6.62	6.59	6.59	0.03	21.41	24.44	21.59	1.23	350.0	1.18	1.29	1.26	1.29	1.31
375.0	6.65	6.65	6.60	6.61	0.05	21.03	24.01	21.57	1.30	375.0	1.20	1.31	1.28	1.31	1.34
400.0	6.68	6.69	6.63	6.64	0.05	20.71	23.59	21.00	1.35	400.0	1.22	1.33	1.30	1.33	1.37
425.0	6.73	6.72	6.67	6.57	0.07	20.40	23.20	20.77	1.46	425.0	1.25	1.36	1.32	1.36	1.39
450.0	6.79	6.77	6.72	6.71	0.08	20.15	22.86	20.57	1.68	450.0	1.27	1.38	1.34	1.38	1.42
475.0	6.82	6.80	6.73	6.73	0.09	19.94	22.57	20.41	1.70	475.0	1.29	1.41	1.36	1.41	1.45
500.0	6.86	6.86	6.78	6.79	0.08	19.76	22.30	20.31	1.82	500.0	1.32	1.44	1.39	1.44	1.48
525.0	6.93	6.91	6.82	6.80	0.12	19.62	22.08	20.23	1.91	525.0	1.34	1.46	1.41	1.47	1.51
550.0	6.97	6.96	6.85	6.85	0.12	19.47	21.86	20.17	2.09	550.0	1.36	1.49	1.44	1.49	1.54
575.0	7.02	7.01	6.89	6.87	0.15	19.42	21.74	20.18	2.13	575.0	1.38	1.52	1.46	1.52	1.58
600.0	7.07	7.07	6.92	6.92	0.15	19.38	21.64	20.21	2.38	600.0	1.39	1.55	1.49	1.55	1.61
625.0	7.13	7.11	6.94	6.95	0.19	19.34	21.59	20.21	2.34	625.0	1.40	1.57	1.51	1.58	1.64
650.0	7.16	7.16	6.96	6.97	0.21	19.30	21.63	20.18	2.64	650.0	1.40	1.60	1.54	1.61	1.68
700.0	7.27	7.27	7.00	7.02	0.27	19.13	21.98	19.90	2.98	700.0	1.38	1.64	1.59	1.66	1.74

¹Total Loss = Insertion Loss + 6dB Splitter Loss



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9/13/2010
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