

4 Way-0° Power Splitter/Combiner

SC4PS-33+

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
300.0	7.20	7.22	7.09	7.09	0.13	15.56	19.89	16.67	1.15	300.0	2.46	1.28	1.28	1.29	1.27
350.0	7.18	7.20	7.07	7.06	0.14	15.66	20.30	16.84	1.33	350.0	2.40	1.28	1.28	1.29	1.27
400.0	7.17	7.19	7.06	7.04	0.15	15.75	20.77	16.99	1.50	400.0	2.36	1.28	1.28	1.30	1.28
450.0	7.18	7.20	7.06	7.03	0.16	15.83	21.28	17.15	1.59	450.0	2.34	1.30	1.29	1.31	1.29
500.0	7.18	7.20	7.06	7.04	0.17	15.90	21.83	17.28	1.71	500.0	2.32	1.31	1.31	1.33	1.31
550.0	7.19	7.22	7.06	7.03	0.18	15.99	22.44	17.43	1.83	550.0	2.30	1.32	1.32	1.35	1.32
600.0	7.21	7.23	7.07	7.03	0.20	16.04	23.07	17.53	1.88	600.0	2.30	1.34	1.34	1.37	1.34
650.0	7.24	7.26	7.09	7.06	0.20	16.06	23.70	17.56	1.96	650.0	2.30	1.36	1.36	1.39	1.36
700.0	7.26	7.28	7.11	7.07	0.21	16.14	24.40	17.66	2.06	700.0	2.29	1.38	1.38	1.41	1.38
750.0	7.29	7.32	7.14	7.09	0.22	16.20	25.10	17.74	2.10	750.0	2.30	1.40	1.40	1.44	1.40
800.0	7.35	7.36	7.19	7.14	0.22	16.19	25.73	17.72	2.12	800.0	2.32	1.43	1.43	1.46	1.43
850.0	7.38	7.40	7.23	7.18	0.22	16.21	26.46	17.71	2.18	850.0	2.33	1.45	1.45	1.49	1.46
900.0	7.43	7.44	7.27	7.21	0.23	16.28	27.19	17.78	2.29	900.0	2.34	1.47	1.47	1.52	1.48
950.0	7.49	7.49	7.31	7.25	0.24	16.33	27.88	17.81	2.31	950.0	2.37	1.51	1.50	1.54	1.51
1000.0	7.53	7.53	7.35	7.29	0.24	16.35	28.63	17.79	2.36	1000.0	2.38	1.53	1.52	1.57	1.54
1050.0	7.55	7.56	7.38	7.32	0.23	16.38	29.56	17.79	2.45	1050.0	2.37	1.54	1.55	1.59	1.56
1100.0	7.60	7.60	7.42	7.36	0.25	16.48	30.54	17.90	2.55	1100.0	2.39	1.57	1.57	1.62	1.58
1150.0	7.66	7.65	7.46	7.40	0.26	16.61	31.45	18.02	2.58	1150.0	2.40	1.61	1.59	1.65	1.61
1200.0	7.68	7.66	7.47	7.42	0.26	16.69	32.52	18.10	2.67	1200.0	2.39	1.63	1.61	1.67	1.62
1250.0	7.68	7.66	7.47	7.42	0.27	16.80	33.75	18.21	2.83	1250.0	2.36	1.63	1.63	1.69	1.64
1300.0	7.71	7.67	7.49	7.43	0.28	17.02	34.52	18.43	2.93	1300.0	2.35	1.65	1.65	1.71	1.66
1350.0	7.72	7.68	7.49	7.43	0.29	17.33	34.41	18.80	3.02	1350.0	2.32	1.68	1.66	1.73	1.67
1400.0	7.69	7.65	7.47	7.41	0.28	17.52	33.35	19.06	3.20	1400.0	2.28	1.68	1.67	1.74	1.68
1450.0	7.66	7.62	7.45	7.38	0.28	17.68	31.74	19.24	3.22	1450.0	2.22	1.67	1.67	1.74	1.69
1500.0	7.62	7.58	7.40	7.33	0.29	18.04	29.99	19.63	3.31	1500.0	2.16	1.70	1.67	1.74	1.70
1550.0	7.57	7.52	7.36	7.28	0.28	18.60	28.23	20.32	3.37	1550.0	2.07	1.73	1.67	1.74	1.70
1600.0	7.55	7.47	7.31	7.24	0.31	19.20	26.61	21.10	3.51	1600.0	2.00	1.69	1.65	1.74	1.68
1650.0	7.52	7.40	7.24	7.19	0.33	19.65	25.13	21.72	3.68	1650.0	1.92	1.65	1.64	1.73	1.67
1700.0	7.48	7.33	7.18	7.13	0.35	20.26	23.77	22.45	3.84	1700.0	1.82	1.66	1.62	1.71	1.67
1750.0	7.43	7.26	7.12	7.07	0.36	21.20	22.54	23.64	3.99	1750.0	1.72	1.68	1.60	1.69	1.65
1800.0	7.38	7.18	7.05	7.01	0.37	22.25	21.45	25.10	4.27	1800.0	1.62	1.63	1.57	1.67	1.61
1850.0	7.34	7.12	7.01	6.95	0.39	23.29	20.45	26.59	4.49	1850.0	1.52	1.57	1.55	1.64	1.58
1900.0	7.32	7.06	6.96	6.90	0.41	24.66	19.55	28.42	4.71	1900.0	1.41	1.57	1.52	1.60	1.56
1950.0	7.31	7.01	6.92	6.86	0.44	26.51	18.80	30.63	4.92	1950.0	1.31	1.58	1.49	1.58	1.53
2000.0	7.29	6.97	6.91	6.84	0.45	28.72	18.06	32.92	5.12	2000.0	1.23	1.55	1.46	1.55	1.50
2050.0	7.27	6.95	6.90	6.83	0.44	31.56	17.39	33.46	5.40	2050.0	1.16	1.50	1.43	1.52	1.47
2100.0	7.29	6.94	6.90	6.84	0.45	35.91	16.89	31.12	5.70	2100.0	1.12	1.48	1.41	1.50	1.45
2150.0	7.32	6.95	6.94	6.87	0.45	42.26	16.45	28.79	5.98	2150.0	1.14	1.49	1.38	1.48	1.43
2200.0	7.37	6.99	7.00	6.93	0.44	39.72	16.03	27.03	6.32	2200.0	1.20	1.47	1.36	1.47	1.41
2250.0	7.45	7.05	7.06	7.00	0.45	35.05	15.66	25.49	6.65	2250.0	1.29	1.45	1.35	1.45	1.40
2300.0	7.54	7.12	7.14	7.08	0.46	32.14	15.43	24.09	7.01	2300.0	1.37	1.46	1.34	1.45	1.39
2350.0	7.63	7.19	7.22	7.16	0.46	29.64	15.23	23.01	7.40	2350.0	1.45	1.47	1.34	1.44	1.39
2400.0	7.74	7.27	7.32	7.27	0.47	27.71	15.03	22.15	7.76	2400.0	1.55	1.46	1.33	1.44	1.39
2450.0	7.85	7.37	7.42	7.37	0.49	26.60	14.91	21.51	8.19	2450.0	1.63	1.46	1.33	1.44	1.39
2500.0	7.96	7.46	7.52	7.48	0.51	25.62	14.83	20.89	8.66	2500.0	1.71	1.46	1.33	1.44	1.38
2550.0	8.09	7.57	7.63	7.58	0.52	24.58	14.76	20.29	9.18	2550.0	1.79	1.47	1.33	1.44	1.37
2600.0	8.23	7.69	7.75	7.70	0.54	23.74	14.73	19.83	9.64	2600.0	1.87	1.47	1.32	1.43	1.38
2650.0	8.37	7.80	7.86	7.81	0.57	23.27	14.76	19.55	10.14	2650.0	1.93	1.47	1.32	1.43	1.38
2700.0	8.48	7.89	7.95	7.89	0.59	22.85	14.80	19.22	10.64	2700.0	2.00	1.47	1.32	1.43	1.36
2750.0	8.59	7.98	8.03	7.97	0.62	22.23	14.88	18.79	11.07	2750.0	2.07	1.47	1.31	1.42	1.35
2800.0	8.71	8.07	8.11	8.03	0.67	21.78	15.00	18.59	11.61	2800.0	2.10	1.47	1.31	1.41	1.35
2850.0	8.83	8.15	8.18	8.10	0.73	21.52	15.12	18.51	12.12	2850.0	2.15	1.46	1.30	1.40	1.35
2900.0	8.95	8.25	8.26	8.18	0.77	21.31	15.32	18.31	12.58	2900.0	2.21	1.47	1.29	1.40	1.33
2950.0	9.04	8.32	8.32	8.22	0.82	20.89	15.56	18.04	13.01	2950.0	2.24	1.48	1.29	1.39	1.33
3000.0	9.14	8.39	8.38	8.28	0.86	20.49	15.86	17.91	13.44	3000.0	2.26	1.48	1.28	1.39	1.33

¹Total Loss = Insertion Loss+ 6dB Splitter Loss

