

2 Way-0° Power Splitter/Combiner

SP-ED12593/3

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	1	2
500.0	3.65	3.63	0.02	3.84	0.22	500.0	1.91	1.89	1.89
750.0	3.66	3.62	0.03	4.03	0.34	750.0	1.89	1.87	1.87
1000.0	3.67	3.63	0.04	4.30	0.58	1000.0	1.85	1.85	1.84
1250.0	3.65	3.61	0.04	4.68	0.74	1250.0	1.82	1.82	1.81
1500.0	3.64	3.59	0.05	5.19	0.78	1500.0	1.77	1.78	1.75
1750.0	3.63	3.56	0.06	5.88	0.73	1750.0	1.71	1.70	1.67
2000.0	3.60	3.51	0.09	6.84	0.83	2000.0	1.64	1.61	1.57
2250.0	3.58	3.47	0.11	8.25	0.86	2250.0	1.55	1.49	1.45
2500.0	3.53	3.43	0.10	10.29	0.90	2500.0	1.46	1.36	1.31
2750.0	3.49	3.42	0.07	13.34	0.95	2750.0	1.36	1.21	1.19
3000.0	3.46	3.42	0.04	18.17	0.75	3000.0	1.28	1.07	1.09
3050.0	3.45	3.42	0.04	19.53	0.83	3050.0	1.25	1.06	1.08
3100.0	3.46	3.43	0.03	20.99	1.02	3100.0	1.25	1.04	1.09
3150.0	3.45	3.43	0.02	22.75	1.10	3150.0	1.23	1.04	1.09
3175.0	3.46	3.44	0.02	23.65	1.13	3175.0	1.24	1.05	1.10
3200.0	3.46	3.45	0.02	24.47	1.16	3200.0	1.24	1.07	1.11
3250.0	3.46	3.45	0.01	26.07	1.23	3250.0	1.23	1.08	1.12
3300.0	3.46	3.46	0.01	26.94	1.29	3300.0	1.24	1.12	1.15
3350.0	3.46	3.46	0.01	26.36	1.40	3350.0	1.26	1.14	1.17
3400.0	3.47	3.47	0.01	24.92	1.48	3400.0	1.26	1.18	1.19
3450.0	3.49	3.49	0.01	23.24	1.56	3450.0	1.30	1.20	1.22
3550.0	3.53	3.53	0.01	20.15	1.71	3550.0	1.35	1.27	1.27
3575.0	3.55	3.54	0.01	19.47	1.77	3575.0	1.36	1.29	1.29
3600.0	3.56	3.55	0.01	18.84	1.80	3600.0	1.37	1.31	1.30
3650.0	3.59	3.58	0.01	17.72	1.81	3650.0	1.43	1.33	1.33
3700.0	3.63	3.62	0.01	16.69	1.92	3700.0	1.46	1.37	1.35
3750.0	3.66	3.65	0.01	15.79	1.97	3750.0	1.52	1.40	1.39
3775.0	3.69	3.67	0.02	15.40	1.99	3775.0	1.54	1.43	1.41
3800.0	3.72	3.70	0.02	14.99	2.02	3800.0	1.57	1.44	1.41
3850.0	3.77	3.75	0.02	14.20	2.13	3850.0	1.65	1.48	1.45
3900.0	3.83	3.80	0.03	13.53	2.21	3900.0	1.70	1.52	1.48
3950.0	3.90	3.86	0.03	12.85	2.17	3950.0	1.80	1.56	1.52
3975.0	3.93	3.90	0.03	12.57	2.18	3975.0	1.81	1.58	1.53
4000.0	3.97	3.94	0.03	12.29	2.22	4000.0	1.86	1.60	1.55
4050.0	4.05	4.01	0.03	11.70	2.35	4050.0	1.97	1.65	1.59
4100.0	4.13	4.09	0.04	11.20	2.44	4100.0	2.05	1.68	1.62
4150.0	4.23	4.18	0.05	10.69	2.46	4150.0	2.19	1.73	1.67
4200.0	4.35	4.28	0.07	10.24	2.50	4200.0	2.28	1.76	1.69
4250.0	4.48	4.41	0.07	9.78	2.51	4250.0	2.43	1.82	1.75
4300.0	4.61	4.52	0.08	9.34	2.55	4300.0	2.55	1.84	1.77
4350.0	4.76	4.67	0.09	8.94	2.52	4350.0	2.73	1.90	1.83
4400.0	4.91	4.81	0.10	8.53	2.45	4400.0	2.89	1.92	1.85
4450.0	5.09	4.98	0.11	8.17	2.48	4450.0	3.09	1.99	1.91
4500.0	5.27	5.16	0.11	7.80	2.46	4500.0	3.30	2.01	1.94
4550.0	5.48	5.36	0.12	7.47	2.40	4550.0	3.52	2.07	2.00
4600.0	5.69	5.58	0.11	7.13	2.32	4600.0	3.79	2.09	2.03
4650.0	5.93	5.81	0.12	6.83	2.36	4650.0	4.05	2.14	2.08
4700.0	6.17	6.06	0.11	6.52	2.37	4700.0	4.37	2.19	2.12
4750.0	6.43	6.31	0.12	6.25	2.30	4750.0	4.71	2.23	2.17
4800.0	6.71	6.60	0.11	5.98	2.25	4800.0	5.09	2.27	2.20
4850.0	6.99	6.89	0.10	5.72	2.25	4850.0	5.55	2.30	2.25
4900.0	7.32	7.22	0.10	5.47	2.17	4900.0	5.98	2.34	2.30
4950.0	7.65	7.56	0.09	5.23	2.10	4950.0	6.54	2.36	2.34
5000.0	8.03	7.95	0.09	5.01	2.00	5000.0	6.98	2.40	2.38

¹ Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2

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