

2 Way-0° Power Splitter/Combiner

BP-ED12593/1

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	1	2
250.0	3.63	3.63	0.01	4.05	0.07	250.0	1.89	1.89	1.88
300.0	3.63	3.64	0.01	4.19	0.12	300.0	1.87	1.88	1.87
350.0	3.62	3.64	0.01	4.34	0.07	350.0	1.85	1.86	1.87
400.0	3.62	3.63	0.01	4.52	0.05	400.0	1.83	1.85	1.85
450.0	3.62	3.61	0.01	4.73	0.05	450.0	1.80	1.84	1.84
500.0	3.60	3.61	0.01	4.96	0.03	500.0	1.77	1.83	1.83
550.0	3.60	3.59	0.01	5.22	0.11	550.0	1.75	1.82	1.81
600.0	3.58	3.58	0.01	5.51	0.13	600.0	1.71	1.80	1.80
650.0	3.56	3.57	0.01	5.83	0.10	650.0	1.68	1.77	1.78
700.0	3.55	3.55	0.01	6.19	0.03	700.0	1.65	1.75	1.76
750.0	3.53	3.53	0.01	6.60	0.03	750.0	1.61	1.73	1.73
800.0	3.52	3.51	0.01	7.04	0.05	800.0	1.57	1.70	1.70
850.0	3.50	3.50	0.01	7.54	0.04	850.0	1.53	1.67	1.67
900.0	3.48	3.48	0.01	8.10	0.00	900.0	1.49	1.63	1.64
950.0	3.47	3.46	0.01	8.72	0.04	950.0	1.45	1.59	1.60
1000.0	3.46	3.44	0.02	9.42	0.06	1000.0	1.41	1.55	1.56
1050.0	3.44	3.42	0.02	10.20	0.07	1050.0	1.37	1.51	1.51
1100.0	3.43	3.40	0.03	11.09	0.05	1100.0	1.32	1.47	1.47
1150.0	3.42	3.39	0.03	12.10	0.06	1150.0	1.28	1.42	1.42
1200.0	3.41	3.37	0.03	13.26	0.06	1200.0	1.24	1.37	1.37
1250.0	3.40	3.36	0.04	14.63	0.06	1250.0	1.19	1.32	1.32
1300.0	3.40	3.36	0.04	16.25	0.08	1300.0	1.14	1.27	1.27
1460.0	3.41	3.36	0.06	25.23	0.11	1460.0	1.02	1.12	1.13
1500.0	3.42	3.37	0.06	30.03	0.13	1500.0	1.05	1.09	1.11
1580.0	3.46	3.39	0.07	32.48	0.16	1580.0	1.13	1.09	1.09
1600.0	3.47	3.40	0.07	29.39	0.16	1600.0	1.15	1.10	1.10
1660.0	3.51	3.44	0.07	23.50	0.19	1660.0	1.22	1.15	1.14
1700.0	3.54	3.46	0.08	21.05	0.23	1700.0	1.28	1.19	1.18
1750.0	3.59	3.51	0.08	18.74	0.26	1750.0	1.35	1.24	1.23
1800.0	3.64	3.56	0.08	16.99	0.30	1800.0	1.43	1.30	1.29
1850.0	3.71	3.62	0.09	15.57	0.35	1850.0	1.51	1.36	1.35
1900.0	3.79	3.69	0.09	14.38	0.41	1900.0	1.61	1.42	1.41
1950.0	3.87	3.77	0.10	13.38	0.46	1950.0	1.71	1.49	1.47
2000.0	3.97	3.86	0.11	12.50	0.54	2000.0	1.82	1.56	1.54
2050.0	4.08	3.97	0.11	11.72	0.62	2050.0	1.95	1.64	1.61
2100.0	4.20	4.08	0.12	11.03	0.69	2100.0	2.08	1.71	1.68
2150.0	4.33	4.20	0.13	10.41	0.78	2150.0	2.22	1.78	1.76
2200.0	4.48	4.34	0.13	9.85	0.90	2200.0	2.38	1.86	1.83
2250.0	4.63	4.49	0.14	9.34	0.96	2250.0	2.56	1.94	1.91
2300.0	4.80	4.66	0.15	8.87	1.07	2300.0	2.74	2.02	1.98
2350.0	4.99	4.83	0.15	8.43	1.20	2350.0	2.95	2.10	2.06
2400.0	5.19	5.02	0.17	8.03	1.33	2400.0	3.18	2.18	2.13
2450.0	5.39	5.23	0.17	7.66	1.41	2450.0	3.41	2.25	2.21
2500.0	5.63	5.44	0.19	7.31	1.55	2500.0	3.68	2.33	2.28
2550.0	5.86	5.67	0.19	6.99	1.67	2550.0	3.97	2.41	2.36
2600.0	6.12	5.92	0.20	6.69	1.82	2600.0	4.28	2.49	2.43
2650.0	6.38	6.16	0.22	6.41	1.96	2650.0	4.61	2.56	2.50
2700.0	6.66	6.44	0.23	6.16	2.11	2700.0	4.98	2.64	2.58
2750.0	6.95	6.71	0.24	5.92	2.26	2750.0	5.36	2.71	2.64
2800.0	7.26	7.00	0.25	5.70	2.37	2800.0	5.78	2.78	2.72
2850.0	7.57	7.30	0.27	5.50	2.64	2850.0	6.22	2.85	2.78
2900.0	7.90	7.61	0.29	5.31	2.79	2900.0	6.69	2.92	2.85
2950.0	8.23	7.92	0.31	5.14	2.94	2950.0	7.18	2.99	2.91
3000.0	8.58	8.25	0.33	4.98	3.09	3000.0	7.71	3.05	2.98

¹ Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2

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