

4 Way-0° Power Splitter/Combiner WP4-ED12616A/3_07

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
1000.0	13.03	13.27	13.18	13.02	0.00	14.24	12.96	13.92	0.06	1000.0	9.59	1.77	1.69	1.66	1.74
1200.0	9.84	10.05	9.97	9.83	0.01	16.51	14.84	16.14	0.17	1200.0	4.92	1.68	1.66	1.62	1.67
1400.0	7.81	8.00	7.90	7.81	0.00	21.01	18.40	20.40	0.30	1400.0	2.64	1.55	1.54	1.52	1.54
1500.0	7.20	7.39	7.28	7.22	0.01	24.82	21.13	23.89	0.38	1500.0	2.01	1.50	1.49	1.46	1.48
1600.0	6.81	6.99	6.88	6.83	0.03	30.60	24.45	28.92	0.37	1600.0	1.57	1.44	1.45	1.41	1.42
1710.0	6.56	6.72	6.62	6.58	0.02	33.99	27.86	33.04	0.38	1710.0	1.25	1.38	1.38	1.35	1.36
1720.0	6.55	6.70	6.60	6.56	0.01	33.49	28.00	32.81	0.37	1720.0	1.23	1.37	1.38	1.34	1.36
1730.0	6.53	6.69	6.58	6.55	0.01	32.94	28.09	32.47	0.39	1730.0	1.20	1.37	1.38	1.34	1.36
1740.0	6.52	6.67	6.57	6.53	0.01	32.36	28.14	32.06	0.39	1740.0	1.18	1.36	1.38	1.33	1.35
1750.0	6.51	6.66	6.56	6.52	0.01	31.78	28.13	31.60	0.40	1750.0	1.16	1.36	1.37	1.33	1.35
1760.0	6.50	6.65	6.55	6.51	0.00	31.19	28.08	31.12	0.41	1760.0	1.15	1.35	1.36	1.33	1.35
1770.0	6.49	6.64	6.53	6.49	0.00	30.60	27.98	30.62	0.42	1770.0	1.13	1.35	1.35	1.32	1.34
1780.0	6.48	6.63	6.52	6.48	0.00	30.05	27.85	30.13	0.43	1780.0	1.11	1.34	1.34	1.32	1.34
1790.0	6.47	6.62	6.51	6.48	0.00	29.53	27.69	29.65	0.44	1790.0	1.10	1.34	1.33	1.31	1.33
1800.0	6.47	6.61	6.51	6.47	0.00	29.02	27.51	29.16	0.44	1800.0	1.09	1.34	1.33	1.31	1.33
1810.0	6.46	6.60	6.50	6.46	0.00	28.55	27.28	28.71	0.44	1810.0	1.08	1.33	1.32	1.30	1.33
1820.0	6.46	6.59	6.49	6.45	0.00	28.09	27.08	28.26	0.45	1820.0	1.07	1.33	1.32	1.30	1.32
1830.0	6.45	6.59	6.49	6.45	0.00	27.66	26.85	27.83	0.46	1830.0	1.07	1.33	1.32	1.30	1.32
1840.0	6.45	6.58	6.48	6.44	0.00	27.24	26.60	27.42	0.47	1840.0	1.08	1.32	1.32	1.29	1.32
1850.0	6.44	6.58	6.47	6.44	0.01	26.85	26.35	27.04	0.48	1850.0	1.08	1.32	1.32	1.29	1.32
1860.0	6.44	6.57	6.47	6.43	0.01	26.48	26.11	26.65	0.48	1860.0	1.09	1.32	1.32	1.29	1.31
1870.0	6.44	6.57	6.46	6.43	0.01	26.13	25.86	26.30	0.48	1870.0	1.10	1.31	1.32	1.28	1.31
1880.0	6.44	6.57	6.46	6.43	0.01	25.79	25.60	25.95	0.50	1880.0	1.12	1.31	1.32	1.28	1.31
1890.0	6.44	6.56	6.46	6.43	0.01	25.46	25.36	25.63	0.50	1890.0	1.13	1.31	1.31	1.28	1.31
1900.0	6.43	6.56	6.46	6.43	0.01	25.16	25.11	25.31	0.50	1900.0	1.14	1.31	1.30	1.27	1.30
1910.0	6.43	6.56	6.46	6.43	0.01	24.87	24.86	25.01	0.51	1910.0	1.16	1.30	1.30	1.27	1.30
1920.0	6.43	6.56	6.45	6.43	0.01	24.59	24.61	24.72	0.51	1920.0	1.17	1.30	1.29	1.27	1.30
1930.0	6.44	6.56	6.45	6.43	0.01	24.33	24.37	24.45	0.53	1930.0	1.19	1.30	1.28	1.26	1.30
1940.0	6.44	6.56	6.45	6.43	0.01	24.08	24.13	24.18	0.53	1940.0	1.20	1.30	1.28	1.26	1.30
1950.0	6.44	6.56	6.45	6.43	0.01	23.85	23.90	23.93	0.54	1950.0	1.22	1.30	1.28	1.26	1.29
1960.0	6.44	6.56	6.45	6.43	0.00	23.63	23.67	23.69	0.54	1960.0	1.24	1.30	1.28	1.26	1.29
1970.0	6.44	6.56	6.45	6.44	0.01	23.42	23.45	23.45	0.56	1970.0	1.25	1.29	1.28	1.25	1.29
1980.0	6.44	6.56	6.46	6.44	0.00	23.21	23.22	23.23	0.56	1980.0	1.27	1.29	1.29	1.25	1.29
1990.0	6.45	6.56	6.46	6.45	0.00	23.01	23.01	23.01	0.57	1990.0	1.28	1.29	1.29	1.25	1.29
2000.0	6.45	6.57	6.46	6.45	0.00	22.82	22.80	22.80	0.57	2000.0	1.30	1.29	1.29	1.25	1.29
2025.0	6.46	6.57	6.46	6.46	0.00	22.36	22.31	22.32	0.58	2025.0	1.34	1.29	1.28	1.24	1.28
2500.0	6.83	6.86	6.76	6.81	0.02	17.93	17.13	17.62	0.60	2500.0	2.04	1.29	1.23	1.20	1.28
2800.0	7.12	7.11	7.02	7.14	0.02	16.85	15.55	16.52	0.76	2800.0	2.39	1.32	1.24	1.21	1.28
3000.0	7.31	7.26	7.20	7.31	0.00	16.38	14.75	16.10	0.85	3000.0	2.60	1.31	1.25	1.22	1.28
3500.0	7.76	7.64	7.62	7.77	0.02	15.56	13.13	15.40	0.88	3500.0	2.98	1.33	1.25	1.26	1.25
3800.0	7.96	7.81	7.80	7.94	0.02	15.08	12.28	15.02	0.89	3800.0	3.17	1.33	1.27	1.31	1.24
4000.0	8.04	7.88	7.89	8.02	0.02	14.75	11.80	14.64	0.93	4000.0	3.30	1.37	1.27	1.36	1.24
4400.0	8.16	8.01	7.99	8.09	0.07	13.73	10.92	13.67	1.07	4400.0	3.54	1.41	1.35	1.48	1.32
4600.0	8.20	8.04	8.03	8.12	0.08	13.12	10.57	13.09	1.05	4600.0	3.66	1.50	1.47	1.56	1.39
4800.0	8.24	8.10	8.08	8.16	0.08	12.42	10.31	12.37	1.05	4800.0	3.84	1.50	1.49	1.64	1.46
5000.0	8.26	8.19	8.17	8.26	0.00	11.76	10.09	11.75	0.72	5000.0	3.92	1.60	1.64	1.74	1.57
5200.0	8.31	8.23	8.25	8.31	0.00	11.06	9.91	11.05	0.97	5200.0	4.06	1.73	1.67	1.85	1.70
5400.0	8.38	8.35	8.37	8.42	0.04	10.47	9.91	10.40	0.81	5400.0	4.21	1.72	1.89	1.95	1.77
5600.0	8.44	8.51	8.51	8.58	0.15	10.01	9.86	9.86	0.95	5600.0	4.23	1.86	1.95	2.06	1.89
5800.0	8.54	8.60	8.62	8.67	0.13	9.35	9.90	9.40	0.67	5800.0	4.32	1.97	2.10	2.16	1.99

¹Total Loss = Insertion Loss + 6dB Splitter Loss

REV. X2

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