

4 Way-0° Power Splitter/Combiner WP4-ED12616A/5_14

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
1500.0	14.16	15.37	15.30	14.14	1.23	14.02	13.99	14.06	8.86	1500.0	13.23	1.74	1.86	1.84	1.79
1600.0	12.94	14.14	14.06	12.94	1.20	14.44	14.31	14.45	8.06	1600.0	10.79	1.74	1.83	1.82	1.80
1700.0	11.81	13.00	12.92	11.80	1.20	14.94	14.70	14.94	7.29	1700.0	8.73	1.72	1.78	1.80	1.77
1800.0	10.82	11.99	11.91	10.79	1.19	15.51	15.17	15.54	6.64	1800.0	7.07	1.68	1.77	1.77	1.74
1900.0	9.92	11.08	11.00	9.90	1.18	16.26	15.77	16.29	6.09	1900.0	5.72	1.63	1.74	1.72	1.69
2000.0	9.12	10.27	10.19	9.11	1.16	17.18	16.53	17.21	5.61	2000.0	4.66	1.59	1.69	1.68	1.66
2200.0	7.88	9.00	8.92	7.90	1.12	19.67	18.56	19.72	4.68	2200.0	3.15	1.53	1.59	1.59	1.58
2400.0	7.06	8.14	8.06	7.05	1.09	23.31	21.44	23.65	3.77	2400.0	2.21	1.41	1.48	1.48	1.46
2500.0	6.76	7.83	7.75	6.76	1.07	25.83	23.28	26.52	3.48	2500.0	1.89	1.36	1.43	1.43	1.40
2600.0	6.54	7.59	7.50	6.54	1.05	29.13	25.51	30.45	3.13	2600.0	1.64	1.32	1.41	1.39	1.37
2700.0	6.38	7.42	7.33	6.40	1.03	33.33	28.05	35.97	2.77	2700.0	1.46	1.29	1.37	1.35	1.34
2750.0	6.33	7.35	7.27	6.35	1.02	35.45	29.37	38.32	2.60	2750.0	1.38	1.29	1.35	1.34	1.33
2800.0	6.28	7.30	7.21	6.31	1.02	36.47	30.60	37.79	2.37	2800.0	1.32	1.27	1.32	1.32	1.31
2825.0	6.26	7.27	7.19	6.29	1.01	36.21	31.08	36.63	2.24	2825.0	1.29	1.26	1.33	1.31	1.30
2850.0	6.24	7.25	7.16	6.27	1.00	35.72	31.48	35.32	2.14	2850.0	1.27	1.25	1.33	1.30	1.30
2875.0	6.23	7.23	7.14	6.25	1.00	34.97	31.80	34.06	2.06	2875.0	1.25	1.25	1.32	1.30	1.30
2900.0	6.22	7.22	7.13	6.24	0.99	34.01	31.93	32.90	1.97	2900.0	1.23	1.24	1.30	1.29	1.29
2925.0	6.21	7.21	7.11	6.23	0.99	32.99	31.83	31.86	1.88	2925.0	1.22	1.23	1.28	1.28	1.28
2950.0	6.21	7.19	7.11	6.22	0.99	32.10	31.57	30.93	1.79	2950.0	1.21	1.22	1.28	1.27	1.27
3000.0	6.20	7.17	7.09	6.21	0.98	30.58	30.89	29.34	1.62	3000.0	1.21	1.20	1.30	1.26	1.25
3025.0	6.20	7.17	7.08	6.21	0.97	29.84	30.38	28.66	1.57	3025.0	1.21	1.19	1.29	1.26	1.25
3050.0	6.19	7.16	7.07	6.20	0.97	29.17	29.87	28.04	1.51	3050.0	1.22	1.19	1.27	1.25	1.24
3075.0	6.20	7.17	7.08	6.21	0.96	28.60	29.39	27.47	1.45	3075.0	1.24	1.18	1.25	1.24	1.23
3100.0	6.20	7.16	7.07	6.21	0.96	28.06	28.91	26.96	1.38	3100.0	1.24	1.17	1.26	1.23	1.22
3125.0	6.20	7.16	7.07	6.21	0.95	27.51	28.38	26.49	1.31	3125.0	1.26	1.16	1.27	1.23	1.22
3150.0	6.21	7.16	7.07	6.22	0.95	26.96	27.84	26.04	1.26	3150.0	1.27	1.16	1.27	1.23	1.21
3175.0	6.22	7.16	7.07	6.23	0.95	26.51	27.36	25.64	1.22	3175.0	1.30	1.16	1.26	1.23	1.21
3200.0	6.22	7.16	7.07	6.23	0.94	26.14	26.95	25.25	1.17	3200.0	1.31	1.15	1.24	1.22	1.20
3225.0	6.24	7.17	7.08	6.24	0.94	25.78	26.54	24.90	1.10	3225.0	1.33	1.15	1.24	1.22	1.20
3250.0	6.25	7.19	7.10	6.26	0.93	25.38	26.11	24.58	1.02	3250.0	1.35	1.15	1.25	1.21	1.20
3275.0	6.26	7.19	7.10	6.27	0.93	25.02	25.69	24.27	0.95	3275.0	1.38	1.15	1.26	1.21	1.20
3300.0	6.28	7.20	7.11	6.29	0.93	24.72	25.33	23.98	0.91	3300.0	1.40	1.16	1.25	1.21	1.20
3325.0	6.28	7.21	7.11	6.30	0.92	24.45	24.99	23.70	0.86	3325.0	1.42	1.16	1.23	1.21	1.20
3350.0	6.29	7.21	7.12	6.31	0.92	24.17	24.66	23.44	0.78	3350.0	1.44	1.15	1.22	1.21	1.20
3375.0	6.31	7.23	7.13	6.34	0.92	23.88	24.32	23.20	0.72	3375.0	1.47	1.15	1.22	1.20	1.20
3400.0	6.33	7.24	7.15	6.36	0.91	23.62	24.01	22.98	0.63	3400.0	1.50	1.14	1.23	1.19	1.19
3500.0	6.39	7.30	7.20	6.42	0.90	22.71	22.86	22.16	0.63	3500.0	1.59	1.13	1.20	1.18	1.19
3600.0	6.47	7.36	7.26	6.49	0.89	21.98	21.92	21.49	0.83	3600.0	1.68	1.12	1.20	1.18	1.18
3800.0	6.62	7.49	7.39	6.63	0.87	20.83	20.37	20.44	1.20	3800.0	1.86	1.08	1.18	1.14	1.14
3900.0	6.70	7.56	7.45	6.71	0.86	20.40	19.70	19.99	1.43	3900.0	1.95	1.07	1.17	1.14	1.13
4000.0	6.77	7.62	7.51	6.79	0.85	20.04	19.13	19.61	1.69	4000.0	2.05	1.08	1.17	1.13	1.13
4200.0	6.90	7.74	7.63	6.93	0.83	19.31	18.06	18.93	2.00	4200.0	2.24	1.03	1.13	1.10	1.12
4400.0	7.04	7.85	7.74	7.04	0.81	18.75	17.15	18.33	2.41	4400.0	2.41	1.02	1.13	1.06	1.07
4500.0	7.09	7.89	7.79	7.10	0.80	18.48	16.76	18.08	2.58	4500.0	2.50	1.04	1.10	1.04	1.06
4600.0	7.15	7.94	7.84	7.16	0.79	18.28	16.38	17.81	2.83	4600.0	2.59	1.04	1.05	1.04	1.05
4800.0	7.27	8.04	7.94	7.28	0.77	17.82	15.65	17.36	3.07	4800.0	2.78	1.06	1.06	1.03	1.07
5000.0	7.39	8.13	8.05	7.40	0.75	17.37	15.02	16.91	3.14	5000.0	2.97	1.13	1.02	1.06	1.12
5200.0	7.51	8.23	8.17	7.52	0.72	16.97	14.39	16.53	3.49	5200.0	3.11	1.17	1.03	1.12	1.14
5400.0	7.67	8.37	8.35	7.69	0.70	16.54	13.82	16.11	3.92	5400.0	3.29	1.19	1.09	1.15	1.18
5600.0	7.78	8.46	8.50	7.83	0.72	16.16	13.36	15.78	3.96	5600.0	3.40	1.31	1.15	1.25	1.31
5800.0	7.94	8.60	8.67	7.98	0.73	15.62	12.85	15.23	4.43	5800.0	3.54	1.37	1.20	1.29	1.36
6000.0	8.03	8.70	8.81	8.13	0.78	15.11	12.52	14.86	4.62	6000.0	3.66	1.36	1.31	1.39	1.38

¹Total Loss = Insertion Loss + 6dB Splitter Loss

REV. X2

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