

4 Way-0° Power Splitter/Combiner WP4-ED12616A/7_19

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
3000.0	13.64	14.19	14.16	13.63	0.56	17.41	18.14	17.48	8.92	3000.0	11.03	2.39	2.84	2.82	2.38
3200.0	12.59	13.07	13.03	12.57	0.50	17.92	18.53	17.99	7.91	3200.0	9.04	2.35	2.78	2.75	2.33
3400.0	11.64	12.03	12.00	11.61	0.42	18.52	19.00	18.59	7.01	3400.0	7.44	2.30	2.69	2.67	2.26
3600.0	10.76	11.08	11.05	10.73	0.35	19.22	19.58	19.31	6.15	3600.0	6.11	2.23	2.58	2.56	2.19
3800.0	9.99	10.25	10.22	9.96	0.29	20.06	20.29	20.16	5.38	3800.0	5.03	2.16	2.47	2.45	2.10
4000.0	9.32	9.52	9.48	9.28	0.24	21.07	21.16	21.18	4.66	4000.0	4.14	2.08	2.35	2.33	2.02
4200.0	8.73	8.87	8.84	8.69	0.19	22.28	22.24	22.41	3.96	4200.0	3.43	2.00	2.23	2.20	1.93
4400.0	8.24	8.33	8.30	8.19	0.14	23.75	23.57	23.90	3.33	4400.0	2.86	1.91	2.10	2.07	1.85
4600.0	7.83	7.89	7.85	7.78	0.11	25.57	25.23	25.74	2.76	4600.0	2.41	1.82	1.98	1.96	1.77
4800.0	7.51	7.55	7.50	7.46	0.08	27.80	27.25	28.00	2.19	4800.0	2.05	1.75	1.88	1.85	1.69
5000.0	7.26	7.28	7.23	7.22	0.06	30.49	29.54	30.69	1.69	5000.0	1.77	1.68	1.78	1.75	1.63
5050.0	7.21	7.23	7.18	7.17	0.05	31.16	30.07	31.36	1.60	5050.0	1.72	1.66	1.76	1.73	1.61
5100.0	7.17	7.18	7.12	7.13	0.05	31.91	30.64	32.07	1.47	5100.0	1.66	1.65	1.73	1.70	1.60
5150.0	7.12	7.13	7.08	7.09	0.05	32.59	31.09	32.67	1.35	5150.0	1.61	1.63	1.72	1.68	1.58
5200.0	7.09	7.09	7.04	7.05	0.05	33.20	31.47	33.20	1.26	5200.0	1.57	1.62	1.70	1.67	1.57
5300.0	7.03	7.03	6.98	7.00	0.06	34.08	31.78	33.81	1.22	5300.0	1.49	1.59	1.66	1.62	1.54
5400.0	6.99	6.98	6.92	6.95	0.07	34.17	31.46	33.62	1.25	5400.0	1.42	1.56	1.63	1.58	1.52
5500.0	6.94	6.93	6.87	6.91	0.07	33.53	30.63	32.85	1.47	5500.0	1.37	1.53	1.60	1.55	1.50
5600.0	6.92	6.89	6.84	6.89	0.08	32.50	29.58	31.80	1.74	5600.0	1.34	1.51	1.55	1.52	1.48
5700.0	6.91	6.89	6.83	6.88	0.08	31.37	28.48	30.67	1.99	5700.0	1.33	1.49	1.54	1.49	1.46
5800.0	6.90	6.87	6.81	6.87	0.09	30.23	27.39	29.61	2.22	5800.0	1.33	1.48	1.51	1.47	1.44
5850.0	6.89	6.87	6.81	6.87	0.08	29.66	26.86	29.08	2.31	5850.0	1.33	1.46	1.49	1.46	1.44
5900.0	6.90	6.87	6.81	6.87	0.09	29.15	26.36	28.57	2.42	5900.0	1.34	1.45	1.49	1.44	1.43
6000.0	6.90	6.87	6.81	6.87	0.09	28.21	25.44	27.66	2.67	6000.0	1.37	1.43	1.46	1.42	1.41
6200.0	6.93	6.89	6.84	6.91	0.09	26.56	23.80	26.09	3.18	6200.0	1.43	1.40	1.42	1.37	1.39
6400.0	6.96	6.93	6.88	6.94	0.09	25.23	22.41	24.82	3.66	6400.0	1.52	1.37	1.38	1.33	1.36
6600.0	7.01	6.98	6.93	7.00	0.08	24.15	21.22	23.78	4.18	6600.0	1.60	1.34	1.35	1.29	1.33
6800.0	7.07	7.04	6.99	7.05	0.07	23.20	20.17	22.87	4.68	6800.0	1.69	1.31	1.30	1.25	1.30
7000.0	7.13	7.11	7.07	7.12	0.06	22.40	19.26	22.08	5.15	7000.0	1.77	1.28	1.27	1.22	1.28
7200.0	7.18	7.17	7.13	7.17	0.05	21.67	18.45	21.37	5.62	7200.0	1.85	1.25	1.23	1.18	1.26
7400.0	7.25	7.24	7.20	7.24	0.05	21.00	17.68	20.73	6.08	7400.0	1.92	1.23	1.19	1.14	1.24
7600.0	7.32	7.30	7.27	7.31	0.04	20.37	16.96	20.13	6.50	7600.0	1.99	1.21	1.15	1.11	1.21
7800.0	7.39	7.37	7.35	7.38	0.05	19.80	16.30	19.56	6.93	7800.0	2.05	1.18	1.12	1.08	1.19
8000.0	7.45	7.42	7.41	7.45	0.05	19.26	15.69	19.05	7.34	8000.0	2.11	1.16	1.09	1.06	1.17
8200.0	7.53	7.47	7.47	7.53	0.06	18.77	15.13	18.56	7.78	8200.0	2.17	1.14	1.08	1.08	1.15
8400.0	7.62	7.53	7.53	7.62	0.09	18.30	14.59	18.11	8.23	8400.0	2.24	1.12	1.10	1.11	1.14
8600.0	7.70	7.57	7.59	7.70	0.13	17.88	14.09	17.70	8.69	8600.0	2.31	1.11	1.13	1.14	1.14
8800.0	7.79	7.62	7.66	7.79	0.18	17.50	13.64	17.33	9.23	8800.0	2.38	1.11	1.16	1.18	1.14
9000.0	7.89	7.66	7.71	7.89	0.23	17.15	13.24	16.97	9.79	9000.0	2.44	1.11	1.21	1.22	1.15
9200.0	7.98	7.70	7.76	7.99	0.28	16.83	12.86	16.64	10.35	9200.0	2.51	1.12	1.25	1.27	1.16
9400.0	8.06	7.75	7.81	8.08	0.33	16.51	12.48	16.36	10.87	9400.0	2.57	1.12	1.30	1.31	1.17
9600.0	8.15	7.79	7.83	8.17	0.38	16.26	12.15	16.10	11.48	9600.0	2.63	1.14	1.34	1.35	1.19
9800.0	8.22	7.81	7.84	8.24	0.44	16.02	11.85	15.86	11.98	9800.0	2.68	1.16	1.39	1.39	1.21
10000.0	8.31	7.84	7.85	8.34	0.50	15.83	11.55	15.65	12.40	10000.0	2.76	1.19	1.41	1.42	1.24
10200.0	8.37	7.87	7.87	8.41	0.54	15.68	11.22	15.52	12.70	10200.0	2.82	1.20	1.43	1.45	1.26
10400.0	8.48	7.87	7.84	8.52	0.68	15.57	10.97	15.42	12.94	10400.0	2.85	1.23	1.47	1.48	1.28
10600.0	8.60	7.87	7.84	8.64	0.80	15.55	10.72	15.40	13.16	10600.0	2.89	1.26	1.49	1.51	1.31
10800.0	8.74	7.89	7.85	8.76	0.91	15.64	10.48	15.46	13.25	10800.0	2.96	1.30	1.53	1.55	1.35
11000.0	8.92	7.93	7.89	8.94	1.05	15.81	10.24	15.62	13.33	11000.0	3.06	1.35	1.56	1.58	1.40
11200.0	9.12	7.96	7.96	9.16	1.20	16.05	10.03	15.88	13.43	11200.0	3.17	1.41	1.58	1.62	1.45
11400.0	9.37	8.03	8.06	9.40	1.37	16.40	9.88	16.24	13.62	11400.0	3.31	1.47	1.63	1.67	1.51
11600.0	9.70	8.14	8.22	9.69	1.55	16.84	9.74	16.66	13.68	11600.0	3.52	1.54	1.67	1.73	1.57
12000.0	10.43	8.49	8.62	10.39	1.94	18.00	9.60	17.80	13.99	12000.0	4.01	1.70	1.80	1.87	1.71

¹Total Loss = Insertion Loss + 6dB Splitter Loss

REV. X2

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