

4 Way-0° Power Splitter/Combiner WP4-ED12616A/1_02

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
500.0	11.89	12.06	12.01	11.86	0.19	14.11	13.86	14.29	1.75	500.0	6.86	1.64	1.64	1.64	1.65
550.0	10.30	10.47	10.42	10.28	0.19	15.29	14.98	15.50	1.42	550.0	4.89	1.62	1.63	1.62	1.63
600.0	9.04	9.20	9.15	9.02	0.18	16.91	16.52	17.18	1.12	600.0	3.52	1.59	1.60	1.59	1.60
650.0	8.09	8.24	8.20	8.07	0.18	19.07	18.57	19.42	0.85	650.0	2.60	1.54	1.56	1.55	1.55
700.0	7.44	7.58	7.53	7.41	0.17	21.76	21.12	22.28	0.61	700.0	1.97	1.49	1.51	1.50	1.49
720.0	7.24	7.38	7.33	7.22	0.17	22.93	22.23	23.54	0.53	720.0	1.79	1.47	1.49	1.48	1.47
730.0	7.16	7.30	7.24	7.13	0.16	23.51	22.79	24.17	0.47	730.0	1.70	1.46	1.48	1.47	1.46
740.0	7.08	7.22	7.17	7.06	0.16	24.07	23.33	24.78	0.44	740.0	1.63	1.45	1.47	1.46	1.45
750.0	7.01	7.15	7.09	6.99	0.16	24.59	23.84	25.35	0.39	750.0	1.56	1.44	1.46	1.45	1.44
760.0	6.95	7.08	7.03	6.92	0.16	25.05	24.31	25.85	0.35	760.0	1.50	1.44	1.45	1.44	1.44
770.0	6.89	7.03	6.97	6.87	0.16	25.43	24.72	26.25	0.30	770.0	1.44	1.43	1.44	1.43	1.43
780.0	6.84	6.97	6.92	6.82	0.16	25.72	25.04	26.53	0.27	780.0	1.39	1.42	1.44	1.42	1.42
790.0	6.80	6.93	6.88	6.77	0.15	25.90	25.28	26.69	0.21	790.0	1.34	1.41	1.43	1.41	1.41
800.0	6.76	6.89	6.84	6.74	0.15	25.96	25.41	26.71	0.18	800.0	1.30	1.40	1.42	1.40	1.40
820.0	6.70	6.83	6.77	6.67	0.15	25.77	25.37	26.37	0.13	820.0	1.23	1.39	1.40	1.39	1.39
830.0	6.67	6.80	6.75	6.65	0.15	25.53	25.21	26.06	0.14	830.0	1.21	1.38	1.40	1.38	1.38
840.0	6.65	6.78	6.73	6.63	0.15	25.24	24.98	25.69	0.18	840.0	1.20	1.37	1.39	1.37	1.37
850.0	6.64	6.76	6.71	6.61	0.15	24.91	24.70	25.29	0.22	850.0	1.19	1.37	1.39	1.37	1.37
860.0	6.63	6.76	6.70	6.61	0.15	24.55	24.38	24.87	0.27	860.0	1.19	1.36	1.38	1.36	1.36
870.0	6.62	6.75	6.69	6.60	0.15	24.17	24.04	24.44	0.30	870.0	1.20	1.36	1.37	1.35	1.36
880.0	6.62	6.74	6.69	6.59	0.14	23.79	23.67	24.01	0.35	880.0	1.22	1.35	1.37	1.35	1.35
890.0	6.61	6.73	6.68	6.59	0.14	23.41	23.31	23.59	0.39	890.0	1.23	1.35	1.36	1.34	1.35
900.0	6.61	6.73	6.68	6.59	0.14	23.04	22.95	23.19	0.43	900.0	1.26	1.34	1.36	1.34	1.34
920.0	6.61	6.73	6.68	6.59	0.14	22.34	22.25	22.44	0.52	920.0	1.31	1.34	1.35	1.33	1.34
930.0	6.62	6.73	6.68	6.59	0.14	22.01	21.92	22.10	0.56	930.0	1.34	1.33	1.35	1.33	1.33
940.0	6.62	6.73	6.68	6.60	0.14	21.70	21.60	21.77	0.60	940.0	1.36	1.33	1.34	1.33	1.33
950.0	6.63	6.74	6.69	6.60	0.14	21.40	21.30	21.45	0.63	950.0	1.39	1.33	1.34	1.32	1.33
960.0	6.64	6.75	6.69	6.61	0.13	21.12	21.00	21.15	0.66	960.0	1.42	1.33	1.34	1.32	1.33
970.0	6.65	6.75	6.70	6.62	0.13	20.85	20.72	20.87	0.71	970.0	1.45	1.33	1.34	1.32	1.33
980.0	6.66	6.76	6.71	6.63	0.13	20.59	20.45	20.60	0.75	980.0	1.48	1.33	1.34	1.32	1.32
990.0	6.67	6.77	6.72	6.64	0.13	20.35	20.20	20.35	0.79	990.0	1.51	1.32	1.33	1.31	1.32
1000.0	6.68	6.78	6.73	6.65	0.13	20.11	19.95	20.11	0.83	1000.0	1.54	1.32	1.33	1.31	1.32
1025.0	6.71	6.81	6.76	6.69	0.13	19.57	19.38	19.55	0.93	1025.0	1.62	1.32	1.33	1.31	1.32
1050.0	6.75	6.84	6.79	6.72	0.12	19.10	18.87	19.07	1.02	1050.0	1.69	1.32	1.33	1.31	1.32
1075.0	6.78	6.88	6.83	6.76	0.12	18.68	18.42	18.64	1.12	1075.0	1.76	1.33	1.33	1.31	1.32
1100.0	6.83	6.92	6.87	6.81	0.12	18.30	18.01	18.25	1.20	1100.0	1.83	1.33	1.33	1.31	1.33
1150.0	6.91	7.00	6.95	6.89	0.11	17.66	17.30	17.60	1.39	1150.0	1.96	1.33	1.34	1.32	1.33
1200.0	6.99	7.07	7.01	6.96	0.11	17.14	16.70	17.06	1.55	1200.0	2.09	1.35	1.35	1.32	1.34
1300.0	7.14	7.20	7.15	7.11	0.09	16.33	15.74	16.23	1.90	1300.0	2.30	1.37	1.37	1.34	1.37
1400.0	7.28	7.32	7.27	7.24	0.08	15.74	14.99	15.63	2.23	1400.0	2.49	1.40	1.40	1.37	1.40
1500.0	7.39	7.42	7.37	7.35	0.06	15.29	14.36	15.16	2.54	1500.0	2.65	1.43	1.43	1.40	1.43
1600.0	7.50	7.51	7.46	7.46	0.05	14.94	13.81	14.79	2.86	1600.0	2.78	1.47	1.46	1.43	1.46
1650.0	7.55	7.54	7.49	7.50	0.06	14.79	13.57	14.62	3.00	1650.0	2.83	1.48	1.48	1.45	1.47
1700.0	7.60	7.59	7.53	7.55	0.06	14.65	13.33	14.48	3.15	1700.0	2.89	1.50	1.50	1.46	1.49
1750.0	7.63	7.61	7.56	7.58	0.08	14.54	13.11	14.35	3.29	1750.0	2.94	1.52	1.51	1.48	1.50
1800.0	7.67	7.64	7.59	7.61	0.09	14.43	12.89	14.23	3.43	1800.0	2.99	1.54	1.53	1.49	1.52
1900.0	7.73	7.69	7.63	7.67	0.11	14.24	12.47	14.02	3.69	1900.0	3.07	1.57	1.57	1.53	1.55
2000.0	7.81	7.74	7.68	7.74	0.13	14.09	12.09	13.84	3.97	2000.0	3.15	1.61	1.60	1.56	1.58
2100.0	7.86	7.77	7.71	7.79	0.15	13.96	11.72	13.69	4.24	2100.0	3.21	1.64	1.64	1.59	1.61
2200.0	7.92	7.81	7.74	7.84	0.18	13.85	11.38	13.55	4.52	2200.0	3.27	1.68	1.68	1.63	1.64
2300.0	7.98	7.85	7.78	7.89	0.20	13.74	11.04	13.43	4.80	2300.0	3.34	1.71	1.71	1.66	1.67
2400.0	8.04	7.89	7.81	7.95	0.23	13.65	10.73	13.32	5.08	2400.0	3.38	1.75	1.74	1.69	1.70
2500.0	8.10	7.93	7.84	8.00	0.26	13.54	10.43	13.20	5.34	2500.0	3.44	1.78	1.78	1.73	1.73

¹Total Loss = Insertion Loss + 6dB Splitter Loss

REV. X2

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