4 Way-0° Power Splitter/Combiner WP4-ED12616A/1_01

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS[1] (dB)				AMP. UNBAL. (dB)	ISOLATION (dB)			PHASE UNBAL. (deg.)
	S-1	S-2	S-3	S-4		1-2	2-3	3-4	
500.0	12.67	12.91	12.80	12.63	0.28	13.72	13.36	13.85	3.40
550.0	11.04	11.27	11.16	10.99	0.28	14.69	14.24	14.81	3.02
600.0	9.70	9.93	9.81	9.64	0.28	16.03	15.47	16.13	2.64
650.0	8.64	8.86	8.74	8.57	0.28	17.81	17.11	17.90	2.32
700.0	7.86	8.07	7.95	7.78	0.29	20.12	19.20	20.17	2.01
750.0	7.32	7.52	7.40	7.23	0.29	22.93	21.71	22.88	1.74
760.0	7.24	7.44	7.32	7.15	0.29	23.52	22.24	23.43	1.68
770.0	7.16	7.37	7.24	7.07	0.29	24.11	22.77	23.98	1.62
780.0	7.09	7.29	7.16	7.00	0.29	24.67	23.29	24.50	1.57
790.0	7.03	7.22	7.10	6.93	0.29	25.20	23.78	24.97	1.52
800.0	6.97	7.16	7.04	6.87	0.29	25.68	24.23	25.38	1.47
810.0	6.93	7.12	6.99	6.83	0.29	26.08	24.64	25.73	1.42
820.0	6.88	7.07	6.95	6.78	0.29	26.39	24.97	25.99	1.36
830.0	6.84	7.03	6.90	6.74	0.30	26.58	25.22	26.13	1.32
840.0	6.82	7.01	6.88	6.71	0.30	26.66	25.38	26.17	1.27
850.0	6.79	6.98	6.84	6.68	0.30	26.62	25.45	26.10	1.22
860.0	6.76	6.95	6.81	6.65	0.30	26.48	25.42	25.95	1.15
870.0	6.74	6.93	6.79	6.63	0.30	26.24	25.30	25.71	1.10
880.0	6.72	6.91	6.77	6.61	0.30	25.94	25.11	25.43	1.05
890.0	6.71	6.90	6.76	6.60	0.30	25.60	24.86	25.10	1.00
900.0	6.70	6.88	6.75	6.59	0.29	25.22	24.57	24.74	0.94
920.0	6.68	6.86	6.73	6.57	0.29	24.44	23.92	24.00	0.83
930.0	6.68	6.86	6.73	6.57	0.29	24.04	23.57	23.62	0.79
940.0	6.68	6.85	6.73	6.57	0.29	23.65	23.23	23.26	0.75
950.0	6.68	6.85	6.72	6.57	0.29	23.29	22.89	22.90	0.70
960.0	6.68	6.85	6.72	6.57	0.29	22.93	22.55	22.55	0.64
970.0	6.68	6.86	6.73	6.57	0.29	22.59	22.23	22.22	0.60
980.0	6.70	6.87	6.74	6.58	0.29	22.27	21.92	21.91	0.55
990.0	6.71	6.88	6.74	6.59	0.29	21.95	21.62	21.60	0.51
1000.0	6.72	6.89	6.75	6.60	0.29	21.66	21.33	21.31	0.47
1050.0	6.77	6.94	6.80	6.66	0.28	20.38	20.07	20.03	0.63
1075.0	6.80	6.96	6.83	6.69	0.27	19.85	19.51	19.48	0.75
1100.0	6.84	6.99	6.86	6.72	0.27	19.38	19.00	18.99	0.85
1125.0	6.88	7.03	6.90	6.76	0.27	18.95	18.53	18.55	0.96
1150.0	6.92	7.07	6.93	6.80	0.27	18.58	18.11	18.16	1.12
1200.0	6.99	7.14	7.01	6.88	0.25	17.93	17.43	17.46	1.46
1250.0	7.07	7.20	7.08	6.96	0.24	17.40	16.85	16.87	1.64
1300.0	7.14	7.27	7.14	7.03	0.24	16.96	16.32	16.36	1.97
1350.0	7.21	7.32	7.21	7.10	0.22	16.56	15.87	15.91	2.19
1400.0	7.28	7.39	7.27	7.17	0.21	16.24	15.48	15.51	2.34
1450.0	7.34	7.44	7.32	7.24	0.20	15.96	15.13	15.16	2.69
1500.0	7.39	7.48	7.37	7.29	0.19	15.70	14.80	14.82	2.84
1600.0	7.49	7.56	7.44	7.39	0.17	15.29	14.24	14.23	3.27
1650.0	7.53	7.59	7.47	7.43	0.17	15.10	13.97	13.96	3.28
1700.0	7.58	7.64	7.51	7.48	0.16	14.95	13.69	13.72	3.48
1800.0	7.64	7.68	7.55	7.53	0.15	14.65	13.26	13.25	3.75
1900.0	7.71	7.73	7.60	7.60	0.13	14.41	12.83	12.84	4.24
2000.0	7.77	7.78	7.63	7.65	0.15	14.23	12.43	12.47	4.56
2100.0	7.82	7.81	7.66	7.70	0.16	14.04	12.05	12.10	4.69
2200.0	7.86	7.84	7.68	7.73	0.18	13.87	11.70	11.75	5.01
2300.0	7.92	7.89	7.72	7.79	0.20	13.72	11.37	11.43	5.52
2400.0	7.98	7.94	7.77	7.86	0.21	13.59	11.01	11.15	5.84
2500.0	8.03	7.98	7.80	7.91	0.23	13.42	10.71	10.87	5.89

FREQ. (MHz)	VSWR (:1)					
	S	1	2	3	4
500.0	8.07	1.63	1.64	1.64	1.62
550.0	5.83	1.60	1.63	1.62	1.60
600.0	4.23	1.58	1.60	1.60	1.58
650.0	3.12	1.55	1.56	1.56	1.54
700.0	2.36	1.50	1.52	1.51	1.49
750.0	1.84	1.46	1.47	1.46	1.45
760.0	1.76	1.45	1.46	1.45	1.44
770.0	1.68	1.44	1.45	1.44	1.43
780.0	1.61	1.43	1.44	1.43	1.42
790.0	1.55	1.42	1.43	1.42	1.41
800.0	1.49	1.41	1.42	1.41	1.40
810.0	1.43	1.40	1.42	1.41	1.39
820.0	1.38	1.39	1.41	1.40	1.38
830.0	1.33	1.38	1.40	1.39	1.37
840.0	1.29	1.37	1.39	1.38	1.36
850.0	1.26	1.37	1.39	1.37	1.36
860.0	1.22	1.37	1.38	1.37	1.35
870.0	1.20	1.36	1.37	1.36	1.34
880.0	1.18	1.36	1.37	1.35	1.34
890.0	1.17	1.36	1.36	1.35	1.33
900.0	1.17	1.35	1.35	1.34	1.33
920.0	1.18	1.34	1.34	1.33	1.32
930.0	1.20	1.33	1.34	1.32	1.31
940.0	1.22	1.32	1.34	1.32	1.31
950.0	1.24	1.31	1.33	1.31	1.30
960.0	1.26	1.31	1.33	1.31	1.30
970.0	1.29	1.31	1.32	1.31	1.29
980.0	1.32	1.30	1.32	1.30	1.29
990.0	1.34	1.30	1.32	1.30	1.29
1000.0	1.37	1.31	1.32	1.29	1.29
1050.0	1.52	1.30	1.31	1.28	1.28
1075.0	1.59	1.29	1.30	1.28	1.28
1100.0	1.66	1.28	1.30	1.28	1.27
1125.0	1.73	1.28	1.30	1.27	1.27
1150.0	1.80	1.29	1.30	1.27	1.27
1200.0	1.93	1.30	1.30	1.28	1.28
1250.0	2.06	1.29	1.31	1.28	1.28
1300.0	2.17	1.32	1.32	1.29	1.29
1350.0	2.29	1.32	1.33	1.30	1.30
1400.0	2.38	1.33	1.34	1.31	1.31
1450.0	2.48	1.37	1.35	1.32	1.33
1500.0	2.57	1.36	1.37	1.33	1.34
1600.0	2.73	1.41	1.40	1.35	1.37
1650.0	2.80	1.39	1.41	1.37	1.38
1700.0	2.85	1.43	1.43	1.38	1.39
1800.0	2.98	1.44	1.46	1.40	1.41
1900.0	3.08	1.48	1.49	1.43	1.45
2000.0	3.16	1.53	1.52	1.46	1.47
2100.0	3.24	1.56	1.56	1.49	1.49
2200.0	3.32	1.56	1.60	1.52	1.52
2300.0	3.38	1.60	1.63	1.55	1.56
2400.0	3.42	1.67	1.66	1.58	1.59
2500.0	3.47	1.66	1.70	1.62	1.62

[1]Total Loss = Insertion Loss + 6dB Splitter Loss