4 Way-0° Power Splitter/Combiner WP4-ED12616A/4_12

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	
1500.0	10.41	10.69	10.63	10.40	0.29	16.13	14.26	15.68	3.96
2000.0	7.16	7.37	7.30	7.13	0.24	27.54	21.98	26.27	1.35
2050.0	7.03	7.24	7.17	7.01	0.23	30.07	23.25	28.46	1.15
2075.0	6.98	7.18	7.12	6.96	0.22	31.52	23.89	29.68	1.06
2100.0	6.93	7.13	7.06	6.91	0.22	33.06	24.52	30.96	0.95
2125.0	6.89	7.09	7.02	6.87	0.21	34.54	25.15	32.22	0.81
2150.0	6.85	7.04	6.98	6.83	0.21	35.67	25.77	33.32	0.70
2175.0	6.81	7.00	6.94	6.80	0.21	36.14	26.39	34.01	0.59
2200.0	6.78	6.97	6.90	6.76	0.20	35.76	26.94	34.10	0.48
2225.0	6.76	6.94	6.87	6.74	0.20	34.73	27.40	33.59	0.41
2250.0	6.73	6.91	6.84	6.71	0.20	33.47	27.71	32.70	0.30
2275.0	6.71	6.89	6.82	6.69	0.20	32.19	27.87	31.66	0.20
2300.0	6.70	6.86	6.79	6.67	0.19	31.00	27.90	30.57	0.20
2325.0	6.69	6.86	6.79	6.67	0.19	29.91	27.78	29.55	0.21
2350.0	6.68	6.84	6.77	6.66	0.18	28.93	27.55	28.60	0.30
2375.0	6.67	6.83	6.76	6.65	0.18	28.06	27.24	27.74	0.39
2400.0	6.66	6.82	6.74	6.64	0.18	27.30	26.90	26.98	0.46
2425.0	6.66	6.81	6.73	6.63	0.18	26.58	26.51	26.27	0.55
2450.0	6.66	6.81	6.73	6.63	0.18	25.95	26.08	25.62	0.66
2475.0	6.66	6.80	6.73	6.63	0.17	25.38	25.60	25.03	0.77
2500.0	6.66	6.80	6.73	6.63	0.17	24.85	25.13	24.50	0.86
2525.0	6.68	6.81	6.74	6.65	0.17	24.36	24.68	24.00	0.93
2550.0	6.69	6.82	6.74	6.65	0.16	23.92	24.26	23.56	1.01
2575.0	6.70	6.82	6.75	6.66	0.16	23.50	23.85	23.14	1.10
2600.0	6.70	6.83	6.75	6.67	0.15	23.11	23.47	22.75	1.21
2625.0	6.72	6.83	6.76	6.68	0.15	22.76	23.10	22.39	1.31
2650.0	6.73	6.84	6.77	6.70	0.14	22.45	22.75	22.06	1.40
2675.0	6.74	6.85	6.78	6.71	0.14	22.14	22.40	21.75	1.47
2700.0	6.75	6.86	6.79	6.73	0.13	21.85	22.06	21.46	1.54
2725.0	6.78	6.88	6.82	6.76	0.13	21.57	21.74	21.19	1.63
2750.0	6.80	6.89	6.83	6.77	0.12	21.31	21.45	20.94	1.75
2775.0	6.81	6.91	6.84	6.79	0.12	21.07	21.17	20.70	1.85
2800.0	6.83	6.92	6.86	6.81	0.11	20.86	20.90	20.48	1.92
2825.0	6.85	6.94	6.87	6.83	0.11	20.64	20.66	20.27	1.97
2850.0	6.87	6.95	6.89	6.84	0.11	20.45	20.42	20.07	2.05
2875.0	6.89	6.97	6.90	6.86	0.11	20.25	20.18	19.89	2.12
2900.0	6.91	6.98	6.91	6.88	0.10	20.05	19.94	19.70	2.20
2925.0	6.94	7.01	6.94	6.91	0.10	19.87	19.72	19.54	2.29
2950.0	6.96	7.03	6.96	6.93	0.10	19.71	19.52	19.38	2.35
2975.0	6.98	7.05	6.97	6.95	0.10	19.55	19.34	19.24	2.38
3000.0	7.00	7.06	6.99	6.96	0.10	19.39	19.14	19.09	2.44
3500.0	7.49	7.49	7.42	7.45	0.08	17.30	16.34	17.25	3.82
4000.0	7.89	7.84	7.77	7.83	0.11	16.20	14.53	16.19	5.20
4500.0	8.13	8.08	8.02	8.06	0.11	15.27	13.11	15.28	6.19
4600.0	8.17	8.12	8.05	8.10	0.11	15.09	12.88	15.09	6.57
4700.0	8.20	8.16	8.09	8.13	0.11	14.89	12.65	14.91	6.64
4800.0	8.25	8.20	8.14	8.18	0.10	14.70	12.38	14.72	6.66
5000.0	8.29	8.28	8.22	8.24	0.07	14.29	11.95	14.31	7.11
5200.0	8.35	8.35	8.30	8.31	0.05	13.85	11.56	13.94	7.48
5400.0	8.42	8.43	8.37	8.38	0.06	13.38	11.24	13.37	8.03
5600.0	8.46	8.49	8.47	8.45	0.04	12.93	10.89	13.00	8.19
5800.0	8.59	8.61	8.61	8.58	0.03	12.43	10.58	12.39	8.91
6000.0	8.66	8.70	8.69	8.64	0.06	11.94	10.49	11.97	9.50

FREQ. (MHz)	VSWR (:1)				
	S	1	2	3	4
1500.0	5.52	1.70	1.59	1.60	1.66
2000.0	1.75	1.42	1.38	1.37	1.39
2050.0	1.60	1.40	1.35	1.35	1.37
2075.0	1.53	1.40	1.33	1.34	1.35
2100.0	1.47	1.40	1.32	1.33	1.34
2125.0	1.41	1.39	1.32	1.32	1.34
2150.0	1.36	1.38	1.32	1.31	1.33
2175.0	1.31	1.37	1.30	1.30	1.32
2200.0	1.26	1.36	1.29	1.29	1.30
2225.0	1.21	1.35	1.28	1.28	1.29
2250.0	1.18	1.34	1.27	1.27	1.29
2275.0	1.14	1.33	1.28	1.26	1.28
2300.0	1.12	1.32	1.27	1.25	1.28
2325.0	1.10	1.31	1.25	1.24	1.27
2350.0	1.09	1.31	1.24	1.23	1.26
2375.0	1.10	1.30	1.23	1.22	1.25
2400.0	1.11	1.29	1.23	1.21	1.25
2425.0	1.13	1.28	1.23	1.21	1.25
2450.0	1.16	1.28	1.22	1.20	1.24
2475.0	1.19	1.27	1.20	1.20	1.23
2500.0	1.21	1.27	1.19	1.19	1.23
2525.0	1.24	1.26	1.19	1.18	1.23
2550.0	1.27	1.26	1.19	1.18	1.23
2575.0	1.30	1.26	1.19	1.17	1.22
2600.0	1.33	1.26	1.18	1.17	1.22
2625.0	1.36	1.26	1.17	1.17	1.21
2650.0	1.39	1.26	1.17	1.16	1.21
2675.0	1.42	1.26	1.17	1.16	1.21
2700.0	1.45	1.26	1.18	1.15	1.21
2725.0	1.48	1.26	1.17	1.15	1.21
2750.0	1.51	1.26	1.16	1.15	1.21
2775.0	1.54	1.26	1.15	1.14	1.20
2800.0	1.57	1.26	1.16	1.14	1.20
2825.0	1.60	1.26	1.16	1.14	1.20
2850.0	1.63	1.26	1.16	1.13	1.20
2875.0	1.66	1.26	1.15	1.13	1.19
2900.0	1.69	1.26	1.14	1.13	1.19
2925.0	1.72	1.25	1.14	1.12	1.19
2950.0	1.74	1.25	1.15	1.12	1.19
2975.0	1.77	1.24	1.15	1.12	1.19
3000.0	1.80	1.24	1.15	1.12	1.19
3500.0	2.29	1.22	1.14	1.11	1.15
4000.0	2.72	1.20	1.13	1.14	1.10
4500.0	3.10	1.22	1.21	1.23	1.13
4600.0	3.17	1.23	1.23	1.25	1.14
4700.0	3.27	1.22	1.23	1.27	1.16
4800.0	3.35	1.23	1.24	1.30	1.19
5000.0	3.48	1.30	1.31	1.36	1.26
5200.0	3.61	1.36	1.36	1.44	1.31
5400.0	3.73	1.37	1.44	1.50	1.37
5600.0	3.79	1.49	1.53	1.60	1.48
5800.0	3.87	1.58	1.57	1.68	1.55
6000.0	3.94	1.54	1.76	1.77	1.58

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

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