

4 Way-0° Power Splitter/Combiner WP4-ED12616A/7_17

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	12.40	12.89	12.81	12.44	0.49	18.14	18.74	17.81	9.10	3000.0	9.08	2.33	2.82	2.82	2.30
3500.0	10.09	10.40	10.32	10.13	0.30	20.03	20.34	19.70	7.28	3500.0	5.52	2.16	2.59	2.59	2.12
4000.0	8.38	8.55	8.47	8.40	0.16	22.97	22.95	22.49	5.93	4000.0	3.43	1.95	2.29	2.28	1.91
4500.0	7.31	7.37	7.29	7.32	0.08	27.66	27.10	26.88	4.82	4500.0	2.19	1.73	1.98	1.95	1.69
4600.0	7.17	7.21	7.13	7.17	0.09	28.81	28.07	28.04	4.61	4600.0	2.01	1.69	1.92	1.89	1.65
4700.0	7.04	7.07	6.98	7.05	0.08	30.00	29.00	29.29	4.41	4700.0	1.86	1.64	1.86	1.83	1.62
4800.0	6.93	6.95	6.86	6.94	0.09	30.92	29.60	30.52	4.27	4800.0	1.72	1.61	1.81	1.78	1.58
4900.0	6.84	6.85	6.75	6.85	0.10	31.54	29.83	31.56	4.06	4900.0	1.59	1.58	1.75	1.72	1.55
5000.0	6.77	6.76	6.67	6.78	0.12	31.60	29.66	32.12	3.89	5000.0	1.48	1.54	1.70	1.67	1.52
5150.0	6.68	6.66	6.57	6.71	0.14	30.66	28.59	31.70	3.73	5150.0	1.35	1.50	1.64	1.60	1.48
5175.0	6.67	6.65	6.55	6.70	0.15	30.41	28.33	31.50	3.71	5175.0	1.33	1.50	1.62	1.59	1.47
5200.0	6.66	6.64	6.54	6.69	0.15	30.15	28.07	31.28	3.65	5200.0	1.31	1.49	1.61	1.58	1.47
5225.0	6.65	6.62	6.53	6.68	0.15	29.90	27.84	31.02	3.59	5225.0	1.30	1.48	1.60	1.57	1.46
5250.0	6.64	6.61	6.51	6.67	0.15	29.69	27.61	30.76	3.58	5250.0	1.29	1.46	1.59	1.56	1.46
5275.0	6.63	6.60	6.51	6.66	0.16	29.44	27.39	30.49	3.58	5275.0	1.27	1.45	1.58	1.55	1.45
5300.0	6.62	6.59	6.49	6.66	0.16	29.17	27.12	30.20	3.57	5300.0	1.26	1.45	1.57	1.54	1.45
5325.0	6.61	6.58	6.48	6.65	0.17	28.93	26.87	29.91	3.52	5325.0	1.25	1.45	1.57	1.52	1.44
5350.0	6.61	6.57	6.47	6.64	0.17	28.67	26.61	29.64	3.48	5350.0	1.25	1.44	1.56	1.52	1.44
5375.0	6.60	6.57	6.46	6.64	0.17	28.40	26.36	29.34	3.42	5375.0	1.24	1.44	1.55	1.51	1.43
5400.0	6.60	6.56	6.46	6.64	0.18	28.17	26.12	29.06	3.36	5400.0	1.23	1.43	1.54	1.50	1.43
5425.0	6.60	6.55	6.45	6.63	0.18	27.91	25.87	28.77	3.33	5425.0	1.23	1.42	1.53	1.49	1.42
5450.0	6.59	6.54	6.44	6.63	0.18	27.62	25.59	28.48	3.30	5450.0	1.23	1.42	1.52	1.48	1.42
5475.0	6.59	6.54	6.44	6.63	0.19	27.37	25.35	28.20	3.25	5475.0	1.23	1.41	1.51	1.47	1.41
5500.0	6.59	6.54	6.44	6.63	0.19	27.12	25.10	27.93	3.22	5500.0	1.23	1.40	1.50	1.46	1.40
5550.0	6.59	6.53	6.43	6.63	0.19	26.64	24.60	27.40	3.15	5550.0	1.25	1.40	1.49	1.44	1.40
5575.0	6.59	6.53	6.43	6.63	0.20	26.42	24.38	27.15	3.10	5575.0	1.26	1.39	1.48	1.44	1.40
5600.0	6.59	6.53	6.43	6.63	0.20	26.21	24.16	26.90	3.06	5600.0	1.26	1.39	1.47	1.43	1.39
5625.0	6.59	6.54	6.44	6.64	0.20	26.01	23.94	26.66	3.05	5625.0	1.27	1.38	1.47	1.42	1.39
5650.0	6.60	6.54	6.44	6.64	0.20	25.79	23.72	26.42	3.01	5650.0	1.29	1.38	1.46	1.41	1.39
5700.0	6.60	6.54	6.44	6.65	0.20	25.37	23.29	25.96	2.91	5700.0	1.31	1.37	1.44	1.40	1.38
5725.0	6.61	6.55	6.45	6.66	0.21	25.20	23.09	25.75	2.87	5725.0	1.32	1.37	1.44	1.39	1.38
5750.0	6.61	6.55	6.45	6.66	0.21	24.99	22.86	25.54	2.83	5750.0	1.34	1.36	1.43	1.39	1.38
5775.0	6.61	6.55	6.46	6.67	0.21	24.73	22.63	25.33	2.79	5775.0	1.35	1.35	1.42	1.38	1.37
5800.0	6.62	6.56	6.46	6.67	0.21	24.55	22.44	25.13	2.77	5800.0	1.37	1.35	1.42	1.37	1.37
5825.0	6.63	6.56	6.47	6.68	0.21	24.38	22.23	24.94	2.73	5825.0	1.38	1.34	1.41	1.36	1.36
5850.0	6.64	6.58	6.48	6.69	0.21	24.18	22.04	24.74	2.70	5850.0	1.40	1.34	1.41	1.36	1.36
5875.0	6.65	6.59	6.48	6.70	0.21	24.00	21.85	24.56	2.66	5875.0	1.42	1.34	1.40	1.35	1.36
5900.0	6.65	6.59	6.49	6.70	0.21	23.82	21.66	24.38	2.61	5900.0	1.44	1.34	1.40	1.34	1.36
5950.0	6.67	6.61	6.51	6.72	0.21	23.47	21.28	24.02	2.54	5950.0	1.47	1.32	1.38	1.33	1.35
6000.0	6.70	6.63	6.53	6.75	0.21	23.14	20.93	23.69	2.52	6000.0	1.51	1.33	1.37	1.32	1.35
6050.0	6.72	6.65	6.55	6.77	0.21	22.86	20.61	23.37	2.38	6050.0	1.55	1.32	1.36	1.31	1.34
6150.0	6.78	6.71	6.61	6.82	0.21	22.29	19.97	22.78	2.28	6150.0	1.63	1.30	1.34	1.28	1.34
6200.0	6.80	6.74	6.64	6.85	0.20	21.99	19.67	22.51	2.22	6200.0	1.67	1.30	1.33	1.27	1.33
6250.0	6.83	6.77	6.68	6.88	0.20	21.70	19.35	22.24	2.20	6250.0	1.71	1.29	1.32	1.27	1.33
6300.0	6.87	6.80	6.71	6.90	0.20	21.49	19.09	21.99	2.17	6300.0	1.76	1.29	1.31	1.25	1.33
6500.0	7.00	6.94	6.85	7.02	0.18	20.64	18.12	21.08	2.11	6500.0	1.92	1.26	1.27	1.21	1.32
6750.0	7.16	7.11	7.02	7.17	0.15	19.80	17.08	20.14	2.04	6750.0	2.13	1.24	1.24	1.17	1.30
7000.0	7.31	7.26	7.17	7.30	0.14	19.09	16.18	19.36	2.09	7000.0	2.32	1.21	1.20	1.13	1.29
7250.0	7.42	7.36	7.28	7.39	0.13	18.55	15.42	18.73	2.17	7250.0	2.46	1.17	1.16	1.09	1.28
7500.0	7.49	7.42	7.35	7.47	0.14	18.04	14.70	18.23	2.30	7500.0	2.58	1.16	1.12	1.06	1.26
7750.0	7.54	7.44	7.39	7.53	0.16	17.62	14.09	17.82	2.68	7750.0	2.66	1.13	1.09	1.04	1.24
8000.0	7.59	7.44	7.43	7.60	0.17	17.19	13.51	17.48	3.22	8000.0	2.70	1.10	1.08	1.06	1.22

¹Total Loss = Insertion Loss + 6dB Splitter Loss

REV. X2

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