

4 Way-0° Power Splitter/Combiner WP4-ED12616A/2_04

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	22.95	23.23	23.15	22.89	0.35	12.69	12.18	12.81	7.50	500.0	29.06	1.85	1.74	1.75	1.85
600.0	19.57	19.83	19.75	19.51	0.32	12.93	12.38	13.06	5.87	600.0	22.18	1.85	1.75	1.75	1.85
700.0	16.66	16.90	16.79	16.58	0.32	13.33	12.71	13.44	4.70	700.0	16.13	1.85	1.76	1.76	1.84
800.0	14.12	14.35	14.23	14.04	0.31	13.93	13.22	14.04	3.79	800.0	11.20	1.84	1.76	1.75	1.83
900.0	11.94	12.15	12.03	11.85	0.30	14.85	14.03	14.96	3.00	900.0	7.58	1.81	1.74	1.74	1.80
1000.0	10.12	10.32	10.20	10.03	0.28	16.23	15.26	16.36	2.36	1000.0	5.10	1.76	1.71	1.70	1.75
1100.0	8.70	8.89	8.78	8.63	0.26	18.29	17.06	18.44	1.82	1100.0	3.48	1.70	1.66	1.65	1.68
1200.0	7.71	7.88	7.77	7.64	0.24	21.39	19.68	21.63	1.38	1200.0	2.44	1.62	1.59	1.58	1.60
1300.0	7.06	7.23	7.11	6.99	0.23	26.50	23.66	27.00	1.05	1300.0	1.78	1.54	1.51	1.50	1.51
1320.0	6.97	7.13	7.01	6.90	0.23	27.97	24.71	28.60	1.01	1320.0	1.68	1.52	1.50	1.49	1.50
1340.0	6.88	7.04	6.93	6.82	0.22	29.70	25.86	30.52	0.97	1340.0	1.59	1.51	1.49	1.48	1.48
1360.0	6.81	6.96	6.85	6.75	0.21	31.78	27.13	32.92	0.90	1360.0	1.51	1.49	1.47	1.46	1.47
1380.0	6.74	6.89	6.78	6.69	0.20	34.33	28.52	36.02	0.82	1380.0	1.43	1.48	1.46	1.45	1.45
1400.0	6.69	6.84	6.73	6.64	0.20	37.34	30.01	39.97	0.76	1400.0	1.36	1.46	1.44	1.43	1.43
1410.0	6.67	6.82	6.71	6.62	0.20	38.84	30.76	41.93	0.77	1410.0	1.33	1.46	1.44	1.43	1.43
1420.0	6.65	6.80	6.69	6.60	0.20	39.91	31.49	42.71	0.79	1420.0	1.29	1.45	1.43	1.42	1.42
1430.0	6.64	6.78	6.67	6.58	0.20	40.08	32.15	41.66	0.82	1430.0	1.26	1.44	1.42	1.42	1.41
1440.0	6.62	6.76	6.65	6.56	0.20	39.28	32.69	39.75	0.83	1440.0	1.24	1.44	1.42	1.41	1.41
1450.0	6.61	6.75	6.63	6.54	0.20	37.94	33.08	37.79	0.84	1450.0	1.21	1.43	1.41	1.40	1.40
1460.0	6.59	6.73	6.62	6.53	0.20	36.47	33.25	36.04	0.82	1460.0	1.18	1.43	1.41	1.40	1.40
1470.0	6.59	6.72	6.61	6.52	0.20	35.08	33.19	34.51	0.82	1470.0	1.16	1.42	1.40	1.39	1.39
1480.0	6.56	6.69	6.58	6.50	0.19	33.81	32.91	33.20	0.81	1480.0	1.13	1.42	1.40	1.39	1.39
1490.0	6.56	6.68	6.58	6.49	0.19	32.67	32.47	32.06	0.80	1490.0	1.11	1.41	1.39	1.38	1.38
1500.0	6.54	6.67	6.56	6.48	0.19	31.65	31.90	31.05	0.78	1500.0	1.09	1.40	1.38	1.37	1.37
1520.0	6.52	6.65	6.54	6.47	0.18	29.90	30.62	29.35	0.80	1520.0	1.05	1.40	1.37	1.36	1.36
1530.0	6.52	6.65	6.54	6.46	0.19	29.15	29.97	28.62	0.82	1530.0	1.04	1.39	1.37	1.36	1.36
1540.0	6.52	6.64	6.53	6.46	0.19	28.47	29.31	27.96	0.82	1540.0	1.04	1.39	1.36	1.35	1.35
1550.0	6.51	6.64	6.53	6.45	0.19	27.83	28.69	27.35	0.82	1550.0	1.05	1.38	1.36	1.35	1.34
1560.0	6.51	6.64	6.53	6.45	0.19	27.25	28.09	26.78	0.87	1560.0	1.06	1.38	1.35	1.34	1.34
1570.0	6.51	6.64	6.52	6.45	0.19	26.71	27.53	26.26	0.92	1570.0	1.08	1.38	1.35	1.34	1.34
1580.0	6.53	6.65	6.53	6.46	0.19	26.21	27.00	25.78	0.99	1580.0	1.09	1.37	1.35	1.33	1.33
1590.0	6.53	6.65	6.53	6.45	0.19	25.75	26.49	25.33	1.04	1590.0	1.11	1.37	1.34	1.33	1.33
1600.0	6.51	6.63	6.52	6.44	0.19	25.31	26.01	24.90	1.09	1600.0	1.13	1.36	1.34	1.33	1.33
1620.0	6.52	6.64	6.53	6.45	0.19	24.53	25.13	24.13	1.18	1620.0	1.17	1.36	1.33	1.32	1.32
1630.0	6.52	6.63	6.53	6.45	0.18	24.16	24.73	23.78	1.20	1630.0	1.19	1.36	1.33	1.31	1.32
1640.0	6.52	6.63	6.53	6.45	0.18	23.82	24.34	23.45	1.21	1640.0	1.21	1.35	1.32	1.31	1.31
1650.0	6.52	6.63	6.53	6.45	0.18	23.49	23.98	23.14	1.21	1650.0	1.22	1.35	1.32	1.31	1.31
1660.0	6.52	6.64	6.54	6.46	0.18	23.19	23.63	22.84	1.20	1660.0	1.24	1.35	1.31	1.30	1.31
1670.0	6.53	6.64	6.54	6.46	0.18	22.90	23.30	22.56	1.20	1670.0	1.26	1.35	1.31	1.30	1.30
1680.0	6.54	6.65	6.55	6.47	0.17	22.62	22.98	22.29	1.20	1680.0	1.28	1.34	1.31	1.30	1.30
1690.0	6.54	6.65	6.56	6.48	0.18	22.36	22.69	22.04	1.22	1690.0	1.30	1.34	1.31	1.29	1.30
1700.0	6.55	6.66	6.56	6.48	0.17	22.11	22.40	21.79	1.25	1700.0	1.32	1.34	1.30	1.29	1.30
1750.0	6.59	6.69	6.59	6.52	0.17	21.02	21.14	20.72	1.48	1750.0	1.42	1.34	1.29	1.28	1.30
1800.0	6.62	6.71	6.61	6.55	0.16	20.13	20.12	19.86	1.61	1800.0	1.51	1.33	1.28	1.27	1.29
1850.0	6.68	6.76	6.64	6.60	0.17	19.42	19.27	19.15	1.70	1850.0	1.60	1.33	1.28	1.26	1.29
1900.0	6.71	6.79	6.67	6.63	0.16	18.81	18.56	18.56	1.92	1900.0	1.69	1.33	1.28	1.26	1.29
2000.0	6.82	6.88	6.76	6.74	0.15	17.87	17.40	17.64	2.07	2000.0	1.87	1.34	1.28	1.26	1.30
2500.0	7.36	7.35	7.24	7.31	0.12	15.83	14.38	15.58	3.34	2500.0	2.61	1.41	1.34	1.32	1.35
3000.0	7.89	7.81	7.72	7.89	0.18	15.26	12.76	14.96	5.33	3000.0	3.15	1.45	1.42	1.37	1.41
3500.0	8.36	8.25	8.17	8.44	0.27	14.55	11.35	14.23	7.27	3500.0	3.53	1.46	1.47	1.40	1.45
4000.0	8.55	8.45	8.42	8.69	0.28	13.07	10.16	12.90	8.73	4000.0	3.79	1.50	1.55	1.50	1.49
4500.0	8.51	8.39	8.30	8.49	0.21	11.16	9.48	11.14	10.30	4500.0	3.90	1.62	1.70	1.71	1.63
5000.0	8.60	8.51	8.16	8.02	0.58	9.43	9.48	9.56	10.44	5000.0	4.01	1.83	1.91	1.99	1.80

¹Total Loss = Insertion Loss +6dB Splitter Loss

REV. X2

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