4 Way-0° Power Splitter/Combiner ZB4PD1-23DC+

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	
350.0	6.68	6.71	6.63	6.66	0.07	8.77	16.13	8.78	4.89
400.0	6.46	6.49	6.48	6.46	0.03	10.02	16.85	10.04	5.42
450.0	6.32	6.35	6.30	6.33	0.05	11.50	17.39	11.52	5.98
500.0	6.24	6.27	6.24	6.24	0.03	13.20	18.10	13.23	7.18
550.0	6.21	6.25	6.17	6.16	0.08	15.16	18.80	15.22	7.53
600.0	6.16	6.20	6.21	6.22	0.06	17.44	19.68	17.52	8.33
650.0	6.18	6.22	6.21	6.18	0.04	19.98	20.61	20.07	9.23
700.0	6.19	6.23	6.20	6.21	0.04	22.90	21.67	23.03	9.48
750.0	6.14	6.19	6.24	6.21	0.09	26.28	22.93	26.49	10.15
800.0	6.19	6.24	6.26	6.24	0.07	30.39	24.36	30.75	10.99
850.0	6.19	6.25	6.24	6.20	0.07	34.93	26.02	35.48	11.26
900.0	6.18	6.25	6.28	6.26	0.10	37.60	28.05	37.80	12.14
950.0	6.19	6.29	6.27	6.21	0.10	34.60	30.34	34.40	12.76
1000.0	6.20	6.32	6.30	6.28	0.12	31.42	33.32	31.29	13.57
1050.0	6.18	6.31	6.31	6.23	0.13	29.08	36.77	28.93	14.00
1100.0	6.16	6.31	6.28	6.25	0.15	27.48	38.78	27.35	15.15
1150.0	6.20	6.31	6.31	6.22	0.11	26.44	37.32	26.30	15.41
1200.0	6.14	6.27	6.26	6.23	0.13	25.92	34.55	25.81	16.48
1250.0	6.22	6.31	6.28	6.22	0.10	25.96	32.33	25.80	17.03
1300.0	6.17	6.28	6.28	6.21	0.12	26.40	30.61	26.24	17.47
1350.0	6.24	6.33	6.31	6.27	0.10	27.35	29.35	27.19	18.80
1400.0	6.22	6.32	6.30	6.19	0.13	28.85	28.39	28.66	18.56
1450.0	6.16	6.26	6.32	6.26	0.16	30.93	27.73	30.72	19.98
1500.0	6.25	6.36	6.32	6.22	0.14	33.68	27.21	33.45	20.33
1550.0	6.20	6.31	6.32	6.25	0.12	36.98	27.03	36.60	21.11
1600.0	6.23	6.34	6.36	6.24	0.14	38.87	26.99	38.71	21.54
1650.0	6.26	6.38	6.37	6.28	0.13	38.13	27.14	38.13	22.55
1700.0	6.31	6.44	6.47	6.31	0.16	36.61	27.60	36.80	22.91
1750.0	6.29	6.43	6.41	6.31	0.14	35.08	28.05	35.42	23.69
1800.0	6.37	6.50	6.55	6.38	0.19	33.87	29.04	34.44	24.44
1850.0	6.36	6.52	6.49	6.37	0.16	32.98	30.15	33.73	25.31
1900.0	6.37	6.54	6.56	6.39	0.19	32.33	31.79	33.21	25.85
1950.0	6.37	6.54	6.55	6.43	0.18	32.24	34.04	33.35	26.67
2000.0	6.38	6.57	6.57	6.38	0.19	32.99	37.23	34.27	27.46
2100.0	6.44	6.65	6.65	6.47	0.21	43.18	40.74	48.19	28.85
2150.0	6.48	6.60	6.62	6.49	0.14	40.10	36.04	37.74	29.41
2200.0	6.49	6.74	6.85	6.63	0.36	30.32	32.50	29.55	30.19
2250.0	6.62	6.75	6.62	6.54	0.21	25.09	29.53	24.71	30.51
2300.0	6.61	6.83	7.08	6.77	0.47	21.45	27.82	21.36	31.41
2350.0	6.61	6.87	6.88	6.63	0.27	18.92	25.95	18.94	32.45

FREQ. (MHz)	VSWR (:1)				
	S	1	2	3	4
350.0	2.12	1.18	1.18	1.18	1.18
400.0	1.81	1.14	1.13	1.13	1.13
450.0	1.55	1.13	1.11	1.11	1.11
500.0	1.34	1.12	1.11	1.11	1.11
550.0	1.18	1.12	1.11	1.11	1.11
600.0	1.08	1.11	1.10	1.11	1.11
650.0	1.09	1.11	1.10	1.10	1.11
700.0	1.16	1.10	1.10	1.10	1.10
750.0	1.21	1.09	1.09	1.10	1.10
800.0	1.24	1.09	1.10	1.10	1.10
850.0	1.25	1.09	1.10	1.11	1.11
900.0	1.24	1.09	1.11	1.11	1.11
950.0	1.22	1.09	1.11	1.11	1.11
1000.0	1.19	1.08	1.10	1.11	1.11
1050.0	1.14	1.07	1.09	1.09	1.10
1100.0	1.12	1.06	1.08	1.08	1.09
1150.0	1.12	1.04	1.07	1.07	1.08
1200.0	1.15	1.03	1.05	1.06	1.07
1250.0	1.18	1.02	1.04	1.05	1.06
1300.0	1.21	1.01	1.04	1.04	1.05
1350.0	1.23	1.01	1.04	1.04	1.04
1400.0	1.25	1.01	1.04	1.04	1.05
1450.0	1.25	1.02	1.03	1.04	1.05
1500.0	1.24	1.03	1.03	1.03	1.06
1550.0	1.24	1.04	1.02	1.03	1.06
1600.0	1.22	1.05	1.02	1.03	1.06
1650.0	1.21	1.06	1.03	1.04	1.06
1700.0	1.20	1.07	1.05	1.05	1.06
1750.0	1.18	1.07	1.06	1.07	1.05
1800.0	1.16	1.07	1.08	1.08	1.04
1850.0	1.14	1.07	1.09	1.10	1.03
1900.0	1.12	1.06	1.10	1.11	1.03
1950.0	1.10	1.05	1.11	1.12	1.03
2000.0	1.09	1.04	1.12	1.13	1.03
2100.0	1.17	1.03	1.15	1.16	1.06
2150.0	1.25	1.03	1.17	1.17	1.09
2200.0	1.37	1.06	1.19	1.18	1.14
2250.0	1.54	1.11	1.20	1.20	1.20
2300.0	1.75	1.17	1.21	1.21	1.27
2350.0	2.02	1.24	1.22	1.22	1.35

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