4 Way-0° Power Splitter/Combiner ZC4PD-ED13643/1

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	
4100.0	7.07	6.77	6.63	6.61	0.46	17.66	32.57	17.60	5.14
4250.0	6.86	6.70	6.74	6.55	0.31	18.24	30.65	18.16	4.50
4400.0	6.73	6.67	6.85	6.51	0.34	19.75	28.73	19.67	3.20
4500.0	6.68	6.66	6.86	6.50	0.36	21.63	27.86	21.58	2.43
4600.0	6.68	6.68	6.80	6.51	0.28	24.84	27.23	24.88	2.20
4700.0	6.69	6.72	6.70	6.56	0.16	30.91	26.65	31.01	1.99
4800.0	6.70	6.74	6.62	6.59	0.15	32.10	25.84	31.04	1.92
4900.0	6.69	6.74	6.58	6.59	0.17	24.48	24.74	23.88	1.90
5000.0	6.67	6.73	6.57	6.58	0.16	20.80	23.84	20.40	1.87
5050.0	6.66	6.72	6.58	6.58	0.15	19.93	23.65	19.63	1.95
5100.0	6.65	6.71	6.59	6.57	0.15	19.54	23.64	19.32	2.09
5150.0	6.63	6.71	6.61	6.56	0.15	19.50	23.79	19.37	2.22
5200.0	6.61	6.70	6.63	6.54	0.16	19.73	24.05	19.67	2.26
5250.0	6.60	6.70	6.65	6.53	0.17	20.14	24.38	20.15	2.24
5300.0	6.60	6.71	6.66	6.53	0.18	20.65	24.76	20.72	2.14
5350.0	6.60	6.72	6.68	6.53	0.19	21.21	25.20	21.36	2.05
5400.0	6.61	6.74	6.70	6.54	0.20	21.81	25.67	22.04	2.05
5450.0	6.63	6.75	6.71	6.55	0.20	22.43	26.17	22.74	2.11
5500.0	6.64	6.77	6.73	6.56	0.21	23.08	26.72	23.48	2.13
5520.0	6.65	6.78	6.73	6.57	0.21	23.35	26.95	23.79	2.17
5540.0	6.66	6.78	6.73	6.58	0.21	23.63	27.19	24.10	2.22
5560.0	6.67	6.79	6.74	6.58	0.21	23.92	27.44	24.43	2.28
5580.0	6.67	6.80	6.75	6.59	0.21	24.21	27.70	24.77	2.33
5600.0	6.68	6.81	6.76	6.60	0.21	24.50	27.97	25.11	2.39
5620.0	6.68	6.82	6.77	6.60	0.21	24.80	28.24	25.45	2.44
5640.0	6.68	6.82	6.77	6.60	0.22	25.12	28.51	25.80	2.50
5660.0	6.69	6.83	6.78	6.61	0.22	25.45	28.80	26.17	2.53
5680.0	6.70	6.85	6.79	6.62	0.23	25.78	29.09	26.55	2.56
5700.0	6.70	6.85	6.80	6.62	0.22	26.12	29.38	26.94	2.60
5750.0	6.70	6.86	6.82	6.63	0.23	27.02	30.09	27.91	2.65
5800.0	6.69	6.87	6.82	6.64	0.23	27.89	30.80	28.84	2.71
5850.0	6.68	6.87	6.83	6.64	0.23	28.64	31.46	29.52	2.74
5900.0	6.68	6.87	6.82	6.65	0.22	29.05	32.10	29.74	2.76
5950.0	6.68	6.87	6.82	6.66	0.21	28.96	32.62	29.33	2.80
6000.0	6.68	6.86	6.80	6.67	0.19	28.36	32.96	28.45	2.86
6050.0	6.67	6.85	6.79	6.68	0.18	27.43	32.98	27.31	2.93
6100.0	6.68	6.84	6.77	6.69	0.16	26.37	32.70	26.15	3.04
6150.0	6.69	6.84	6.76	6.70	0.15	25.32	32.13	25.04	3.10
6200.0	6.69	6.83	6.74	6.71	0.14	24.36	31.41	24.07	3.22
6250.0	6.71	6.83	6.73	6.72	0.12	23.50	30.56	23.20	3.31
6300.0	6.72	6.83	6.72	6.73	0.11	22.76	29.78	22.48	3.45
6350.0	6.73	6.84	6.72	6.75	0.12	22.13	28.98	21.85	3.60
6400.0	6.75	6.85	6.72	6.76	0.12	21.61	28.28	21.34	3.70
6450.0	6.77	6.86	6.73	6.79	0.13	21.18	27.65	20.91	3.84
6500.0	6.80	6.88	6.75	6.81	0.13	20.84	27.12	20.57	3.98
6550.0	6.83	6.90	6.77	6.84	0.13	20.56	26.64	20.28	4.10
6600.0	6.85	6.93	6.80	6.86	0.12	20.34	26.26	20.04	4.21
6650.0	6.88	6.96	6.84	6.89	0.12	20.15	25.96	19.83	4.35
6700.0	6.90	7.00	6.88	6.92	0.11	19.97	25.74	19.62	4.51
6720.0	6.91	7.01	6.91	6.94	0.11	19.90	25.68	19.54	4.51
6740.0	6.93	7.02	6.92	6.95	0.10	19.82	25.62	19.46	4.53
6760.0	6.94	7.03	6.95	6.96	0.09	19.74	25.58	19.36	4.58
6780.0	6.95	7.05	6.97	6.97	0.10	19.65	25.54	19.25	4.63
6800.0	6.95	7.07	6.99	6.98	0.11	19.56	25.53	19.15	4.63
6820.0	6.97	7.08	7.01	7.00	0.12	19.46	25.52	19.03	4.65
6840.0	6.98	7.10	7.03	7.01	0.12	19.35	25.52	18.91	4.66
6860.0	6.99	7.11	7.05	7.02	0.13	19.23	25.54	18.78	4.65
6880.0	6.99	7.13	7.07	7.02	0.14	19.10	25.56	18.63	4.68
6900.0	6.99	7.14	7.09	7.03	0.15	18.96	25.59	18.48	4.68
7000.0	7.01	7.19	7.16	7.07	0.18	18.14	25.93	17.62	4.55
7100.0	7.01	7.22	7.19	7.08	0.21	17.20	26.51	16.66	4.27
7200.0	7.01	7.23	7.16	7.10	0.22	16.27	27.34	15.73	3.79
7300.0	7.03	7.21	7.09	7.12	0.19	15.47	28.45	14.94	3.16
7400.0	7.10	7.20	7.00	7.21	0.21	14.87	29.92	14.36	2.45
7500.0	7.27	7.20	6.89	7.36	0.47	14.54	31.70	14.08	1.93
7600.0	7.49	7.18	6.79	7.56	0.77	14.51	32.74	14.07	1.90
7700.0	7.57	7.11	6.73	7.66	0.93	14.71	31.99	14.27	2.76
7800.0	7.47	7.05	6.70	7.62	0.92	15.01	30.38	14.68	3.83
7900.0	7.36	7.03	6.68	7.54	0.85	15.44	28.49	15.38	4.32
8000.0	7.30	7.02	6.67	7.46	0.79	16.10	26.51	16.31	4.30

FREQ. (MHz)	VSWR (:1)				
	S	1	2	3	4
4100.0	1.39	1.57	1.36	1.39	1.38
4250.0	1.30	1.47	1.31	1.34	1.32
4400.0	1.27	1.39	1.27	1.29	1.28
4500.0	1.27	1.34	1.24	1.27	1.25
4600.0	1.28	1.30	1.22	1.25	1.23
4700.0	1.29	1.27	1.21	1.23	1.21
4800.0	1.28	1.25	1.20	1.22	1.20
4900.0	1.25	1.22	1.20	1.21	1.18
5000.0	1.20	1.19	1.20	1.20	1.17
5050.0	1.18	1.18	1.20	1.20	1.16
5100.0	1.16	1.16	1.19	1.20	1.15
5150.0	1.13	1.15	1.19	1.19	1.13
5200.0	1.12	1.13	1.20	1.19	1.12
5250.0	1.11	1.13	1.19	1.18	1.11
5300.0	1.12	1.12	1.19	1.18	1.10
5350.0	1.13	1.12	1.19	1.17	1.10
5400.0	1.16	1.11	1.18	1.16	1.09
5450.0	1.19	1.11	1.17	1.15	1.09
5500.0	1.20	1.11	1.17	1.14	1.09
5520.0	1.21	1.11	1.16	1.14	1.09
5540.0	1.22	1.11	1.16	1.13	1.09
5560.0	1.23	1.11	1.15	1.13	1.09
5580.0	1.24	1.11	1.15	1.12	1.08
5600.0	1.25	1.11	1.14	1.12	1.08
5620.0	1.26	1.10	1.14	1.12	1.08
5640.0	1.26	1.10	1.13	1.11	1.07
5660.0	1.27	1.09	1.13	1.11	1.07
5680.0	1.28	1.08	1.13	1.10	1.06
5700.0	1.29	1.08	1.13	1.10	1.06
5750.0	1.30	1.08	1.12	1.09	1.05
5800.0	1.30	1.07	1.10	1.08	1.04
5850.0	1.30	1.06	1.10	1.07	1.04
5900.0	1.30	1.05	1.08	1.06	1.03
5950.0	1.29	1.04	1.07	1.05	1.03
6000.0	1.28	1.04	1.06	1.04	1.03
6050.0	1.27	1.03	1.05	1.02	1.03
6100.0	1.25	1.03	1.03	1.01	1.05
6150.0	1.23	1.03	1.01	1.01	1.06
6200.0	1.20	1.04	1.02	1.03	1.08
6250.0	1.18	1.06	1.03	1.05	1.11
6300.0	1.15	1.08	1.05	1.07	1.13
6350.0	1.13	1.10	1.08	1.09	1.15
6400.0	1.10	1.12	1.10	1.12	1.18
6450.0	1.07	1.15	1.13	1.14	1.20
6500.0	1.04	1.17	1.15	1.16	1.23
6550.0	1.02	1.19	1.17	1.18	1.25
6600.0	1.04	1.21	1.20	1.20	1.27
6650.0	1.07	1.22	1.21	1.22	1.29
6700.0	1.11	1.23	1.24	1.23	1.30
6720.0	1.12	1.24	1.25	1.24	1.31
6740.0	1.14	1.24	1.25	1.24	1.31
6760.0	1.15	1.24	1.25	1.25	1.31
6780.0	1.17	1.24	1.25	1.25	1.31
6800.0	1.18	1.24	1.26	1.25	1.31
6820.0	1.19	1.24	1.26	1.25	1.31
6840.0	1.21	1.24	1.27	1.25	1.31
6860.0	1.22	1.24	1.27	1.25	1.31
6880.0	1.23	1.23	1.27	1.25	1.30
6900.0	1.24	1.23	1.27	1.25	1.30
7000.0	1.29	1.20	1.26	1.23	1.27
7100.0	1.32	1.15	1.24	1.21	1.21
7200.0	1.33	1.09	1.21	1.18	1.15
7300.0	1.31	1.04	1.19	1.16	1.11
7400.0	1.28	1.07	1.20	1.17	1.12
7500.0	1.24	1.16	1.22	1.22	1.21
7600.0	1.23	1.26	1.26	1.27	1.31
7700.0	1.27	1.35	1.30	1.34	1.42
7800.0	1.34	1.41	1.36	1.40	1.50
7900.0	1.38	1.45	1.40	1.44	1.56
8000.0	1.38	1.46	1.42	1.46	1.59

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