

4 Way-0° Power Splitter/Combiner

ZMSC-4-3+

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
0.3	6.20	6.20	6.20	6.19	0.01	28.97	54.63	29.13	0.06	0.3	1.11	1.19	1.19	1.18	1.19
0.5	6.21	6.20	6.20	6.21	0.01	31.12	54.58	31.26	0.09	0.5	1.07	1.12	1.12	1.11	1.12
0.8	6.21	6.22	6.21	6.21	0.01	31.73	54.90	31.84	0.10	0.8	1.05	1.10	1.10	1.10	1.10
1.0	6.20	6.20	6.20	6.21	0.01	31.99	55.08	32.12	0.10	1.0	1.05	1.09	1.09	1.09	1.09
2.0	6.19	6.17	6.18	6.18	0.01	32.62	54.67	32.83	0.04	2.0	1.04	1.08	1.07	1.07	1.07
2.5	6.18	6.17	6.17	6.17	0.01	32.86	55.05	33.09	0.10	2.5	1.04	1.07	1.07	1.07	1.07
2.7	6.18	6.17	6.17	6.17	0.01	32.94	55.10	33.13	0.02	2.7	1.03	1.07	1.07	1.07	1.07
2.8	6.18	6.17	6.17	6.18	0.00	33.00	55.18	33.20	0.13	2.8	1.03	1.07	1.07	1.06	1.07
3.0	6.17	6.16	6.16	6.17	0.01	33.09	54.93	33.26	0.11	3.0	1.03	1.07	1.07	1.06	1.06
8.0	6.17	6.16	6.15	6.17	0.01	33.53	53.38	33.51	0.04	8.0	1.03	1.05	1.05	1.05	1.05
10.0	6.17	6.17	6.16	6.16	0.01	33.40	52.68	33.34	0.07	10.0	1.03	1.05	1.05	1.05	1.05
19.0	6.19	6.19	6.20	6.20	0.01	32.55	49.12	32.46	0.07	19.0	1.04	1.04	1.04	1.04	1.04
28.0	6.22	6.21	6.21	6.22	0.01	31.62	46.74	31.50	0.08	28.0	1.05	1.04	1.04	1.04	1.04
37.0	6.23	6.22	6.23	6.23	0.01	30.65	44.92	30.56	0.09	37.0	1.05	1.04	1.04	1.04	1.04
46.0	6.25	6.25	6.25	6.24	0.01	29.84	43.54	29.69	0.17	46.0	1.06	1.03	1.03	1.03	1.03
55.0	6.26	6.27	6.27	6.26	0.01	29.06	42.32	28.92	0.12	55.0	1.07	1.03	1.03	1.03	1.03
64.0	6.28	6.28	6.28	6.28	0.01	28.35	41.32	28.24	0.15	64.0	1.08	1.02	1.02	1.02	1.02
73.0	6.29	6.29	6.28	6.29	0.01	27.73	40.53	27.59	0.20	73.0	1.09	1.02	1.02	1.02	1.02
82.0	6.30	6.30	6.31	6.30	0.01	27.16	39.86	27.03	0.09	82.0	1.09	1.01	1.01	1.01	1.01
91.0	6.31	6.31	6.30	6.30	0.01	26.68	39.35	26.54	0.18	91.0	1.10	1.01	1.01	1.01	1.01
100.0	6.33	6.33	6.34	6.33	0.02	26.26	38.85	26.11	0.15	100.0	1.11	1.01	1.01	1.01	1.01
110.0	6.35	6.36	6.36	6.35	0.01	25.85	38.32	25.73	0.26	110.0	1.11	1.02	1.02	1.01	1.01
120.0	6.37	6.36	6.36	6.36	0.02	25.51	37.95	25.38	0.21	120.0	1.12	1.03	1.03	1.02	1.02
130.0	6.38	6.38	6.38	6.39	0.02	25.25	37.66	25.12	0.26	130.0	1.12	1.04	1.04	1.03	1.03
140.0	6.39	6.38	6.39	6.41	0.03	25.07	37.52	24.97	0.24	140.0	1.13	1.05	1.05	1.04	1.04
150.0	6.40	6.40	6.40	6.41	0.01	24.95	37.30	24.83	0.22	150.0	1.13	1.06	1.06	1.05	1.05
160.0	6.40	6.39	6.40	6.42	0.02	24.90	37.24	24.76	0.32	160.0	1.13	1.07	1.07	1.06	1.06
170.0	6.41	6.41	6.42	6.41	0.01	24.91	37.18	24.80	0.30	170.0	1.13	1.08	1.08	1.07	1.07
180.0	6.44	6.43	6.44	6.44	0.01	25.03	37.10	24.89	0.30	180.0	1.14	1.10	1.10	1.09	1.08
190.0	6.47	6.46	6.47	6.47	0.01	25.19	37.16	25.06	0.33	190.0	1.14	1.11	1.11	1.10	1.09
200.0	6.49	6.47	6.48	6.49	0.02	25.40	37.03	25.29	0.37	200.0	1.14	1.12	1.12	1.11	1.11
205.0	6.49	6.48	6.48	6.51	0.03	25.55	36.99	25.44	0.40	205.0	1.14	1.13	1.13	1.11	1.11
210.0	6.49	6.49	6.49	6.50	0.02	25.73	36.87	25.60	0.39	210.0	1.14	1.14	1.13	1.12	1.12
215.0	6.48	6.46	6.48	6.49	0.02	25.91	36.82	25.79	0.40	215.0	1.14	1.14	1.14	1.13	1.12
220.0	6.49	6.48	6.49	6.50	0.02	26.14	36.72	26.05	0.41	220.0	1.14	1.15	1.15	1.13	1.13
225.0	6.49	6.50	6.50	6.52	0.03	26.41	36.56	26.33	0.33	225.0	1.14	1.15	1.15	1.14	1.14
230.0	6.50	6.50	6.50	6.52	0.02	26.75	36.32	26.65	0.44	230.0	1.15	1.16	1.16	1.14	1.14
235.0	6.53	6.53	6.53	6.55	0.02	27.10	36.21	27.01	0.30	235.0	1.15	1.17	1.17	1.15	1.15
240.0	6.54	6.54	6.53	6.56	0.02	27.54	35.94	27.44	0.34	240.0	1.15	1.17	1.17	1.16	1.15
245.0	6.54	6.54	6.53	6.57	0.03	27.98	35.71	27.90	0.43	245.0	1.15	1.18	1.18	1.16	1.16
250.0	6.55	6.55	6.53	6.57	0.04	28.48	35.32	28.41	0.38	250.0	1.15	1.19	1.19	1.17	1.16

¹ Total Loss = Insertion Loss+ 6dB Splitter Loss



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