4 Way-0° Power Splitter/Combiner ZMSC-ED8250/1

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	
1.6	7.02	6.99	6.97	6.95	0.06	23.58	36.96	24.13	1.71
1.8	6.88	6.86	6.85	6.83	0.05	24.45	37.79	25.02	1.51
2.0	6.78	6.77	6.76	6.74	0.03	25.26	38.57	25.84	1.48
3.0	6.52	6.53	6.53	6.52	0.02	28.75	41.76	29.33	1.06
4.0	6.44	6.46	6.46	6.46	0.02	31.56	44.44	32.10	0.75
5.0	6.44	6.46	6.46	6.46	0.02	33.71	46.71	34.16	0.61
6.0	6.45	6.47	6.47	6.47	0.02	35.17	48.78	35.52	0.47
7.0	6.46	6.48	6.48	6.49	0.03	36.09	50.64	36.37	0.37
8.0	6.47	6.48	6.49	6.49	0.02	36.74	52.06	36.95	0.30
9.0	6.48	6.49	6.49	6.50	0.02	37.18	53.50	37.35	0.28
10.0	6.48	6.48	6.48	6.48	0.01	37.56	54.54	37.63	0.24
30.0	6.41	6.41	6.41	6.41	0.00	38.81	47.41	38.26	0.19
50.0	6.41	6.40	6.40	6.40	0.00	37.36	43.11	36.54	0.17
70.0	6.40	6.40	6.40	6.40	0.00	35.75	40.33	34.83	0.25
90.0	6.40	6.41	6.40	6.40	0.01	34.38	38.32	33.36	0.31
100.0	6.42	6.41	6.41	6.41	0.01	33.81	37.52	32.74	0.31
150.0	6.45	6.44	6.43	6.44	0.02	31.62	34.35	30.44	0.45
200.0	6.49	6.48	6.46	6.47	0.03	30.52	32.22	29.20	0.60
250.0	6.54	6.52	6.48	6.51	0.06	30.38	30.68	28.88	0.69
300.0	6.60	6.57	6.51	6.55	0.09	31.40	29.57	29.58	0.78
350.0	6.67	6.63	6.53	6.60	0.14	34.36	28.80	31.91	0.84
395.0	6.75	6.70	6.58	6.66	0.17	42.04	28.38	37.26	0.80
440.0	6.86	6.78	6.64	6.73	0.23	41.94	28.26	48.63	0.76
485.0	7.00	6.91	6.73	6.84	0.27	31.03	28.46	32.01	0.66

FREQ. (MHz)	VSWR (:1)				
	S	1	2	3	4
1.6	1.44	1.57	1.56	1.55	1.55
1.8	1.42	1.52	1.52	1.51	1.51
2.0	1.40	1.48	1.48	1.47	1.47
3.0	1.33	1.34	1.34	1.34	1.34
4.0	1.28	1.27	1.26	1.26	1.26
5.0	1.24	1.22	1.22	1.22	1.22
6.0	1.22	1.19	1.19	1.19	1.19
7.0	1.20	1.17	1.17	1.17	1.17
8.0	1.18	1.15	1.15	1.15	1.15
9.0	1.17	1.14	1.14	1.14	1.14
10.0	1.16	1.13	1.13	1.19	1.13
30.0	1.10	1.07	1.07	1.07	1.07
50.0	1.08	1.05	1.05	1.05	1.05
70.0	1.08	1.04	1.04	1.04	1.04
90.0	1.08	1.03	1.03	1.03	1.03
100.0	1.08	1.03	1.03	1.02	1.02
150.0	1.09	1.02	1.02	1.01	1.02
200.0	1.10	1.04	1.04	1.03	1.04
250.0	1.12	1.07	1.07	1.07	1.07
300.0	1.15	1.11	1.11	1.11	1.11
350.0	1.20	1.16	1.15	1.16	1.16
395.0	1.25	1.20	1.19	1.20	1.21
440.0	1.33	1.25	1.24	1.25	1.27
485.0	1.42	1.31	1.29	1.31	1.33

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

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