

3 Way-0° Power Splitter/Combiner

ZMSC-3-1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹			AMP. UNBAL. (dB)	ISOLATION			PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR			
	S-1	S-2	S-3		1-2	1-3	2-3			S	1	2	3
1	5.09	5.09	5.10	0.01	46.35	47.66	41.10	0.06	1	1.11	1.09	1.09	1.09
2	5.05	5.06	5.06	0.01	46.41	47.66	40.48	0.06	2	1.08	1.06	1.05	1.06
4	5.02	5.02	5.02	0.01	45.95	46.40	38.74	0.07	4	1.06	1.04	1.03	1.04
6	5.02	5.02	5.03	0.01	45.44	45.55	37.92	0.02	6	1.04	1.03	1.03	1.03
8	5.03	5.04	5.03	0.01	44.98	45.00	37.47	0.09	8	1.04	1.02	1.02	1.02
10	5.03	5.03	5.03	0.00	44.52	44.47	37.20	0.05	10	1.03	1.02	1.02	1.02
18	5.05	5.05	5.05	0.00	42.88	43.17	36.57	0.13	18	1.03	1.02	1.02	1.02
26	5.06	5.06	5.06	0.00	41.67	42.34	36.29	0.19	26	1.03	1.02	1.02	1.02
34	5.07	5.07	5.08	0.01	40.58	41.69	36.09	0.32	34	1.03	1.02	1.02	1.02
42	5.08	5.08	5.08	0.00	39.64	41.08	35.90	0.30	42	1.03	1.02	1.02	1.02
50	5.08	5.08	5.08	0.00	38.76	40.53	35.80	0.43	50	1.04	1.02	1.02	1.02
55	5.09	5.09	5.09	0.00	38.29	40.17	35.77	0.45	55	1.04	1.03	1.02	1.02
60	5.10	5.10	5.10	0.01	37.83	39.91	35.72	0.48	60	1.04	1.03	1.02	1.02
65	5.10	5.10	5.11	0.01	37.43	39.67	35.68	0.53	65	1.05	1.03	1.02	1.02
70	5.11	5.11	5.11	0.01	37.04	39.45	35.64	0.57	70	1.05	1.03	1.02	1.02
75	5.11	5.11	5.12	0.01	36.70	39.20	35.70	0.59	75	1.05	1.03	1.02	1.02
80	5.10	5.11	5.12	0.02	36.35	38.96	35.64	0.64	80	1.05	1.03	1.02	1.02
85	5.10	5.12	5.12	0.01	36.03	38.81	35.67	0.68	85	1.05	1.03	1.02	1.02
90	5.12	5.12	5.13	0.01	35.80	38.70	35.71	0.78	90	1.06	1.04	1.02	1.02
95	5.13	5.13	5.14	0.01	35.50	38.55	35.78	0.79	95	1.06	1.04	1.02	1.02
100	5.14	5.14	5.15	0.01	35.27	38.46	35.88	0.79	100	1.06	1.04	1.02	1.02
105	5.14	5.14	5.16	0.02	35.11	38.43	35.93	0.85	105	1.06	1.04	1.02	1.02
110	5.15	5.14	5.16	0.02	34.89	38.39	36.01	0.90	110	1.06	1.04	1.02	1.02
115	5.15	5.15	5.17	0.02	34.74	38.41	36.19	0.91	115	1.07	1.04	1.02	1.02
120	5.14	5.15	5.16	0.02	34.60	38.46	36.35	0.90	120	1.07	1.04	1.02	1.02
125	5.16	5.15	5.18	0.02	34.50	38.52	36.51	0.95	125	1.07	1.04	1.02	1.02
130	5.15	5.15	5.18	0.02	34.39	38.59	36.72	0.97	130	1.07	1.05	1.02	1.02
135	5.16	5.17	5.19	0.03	34.32	38.72	36.98	1.04	135	1.07	1.05	1.02	1.02
140	5.16	5.16	5.18	0.03	34.28	38.84	37.29	1.08	140	1.07	1.05	1.02	1.02
145	5.15	5.16	5.19	0.03	34.23	39.03	37.62	1.08	145	1.07	1.05	1.02	1.02
150	5.16	5.17	5.20	0.03	34.19	39.28	38.01	1.09	150	1.07	1.05	1.02	1.02
155	5.16	5.17	5.20	0.04	34.24	39.59	38.43	1.19	155	1.08	1.05	1.02	1.02
160	5.17	5.17	5.21	0.04	34.27	39.90	38.89	1.17	160	1.08	1.05	1.02	1.02
165	5.18	5.19	5.23	0.05	34.33	40.34	39.46	1.23	165	1.08	1.05	1.02	1.02
170	5.18	5.19	5.24	0.06	34.38	40.73	40.03	1.25	170	1.08	1.05	1.02	1.02
175	5.18	5.20	5.23	0.05	34.50	41.29	40.75	1.29	175	1.08	1.05	1.02	1.02
180	5.18	5.19	5.24	0.06	34.65	41.79	41.51	1.34	180	1.08	1.05	1.02	1.02
185	5.19	5.21	5.25	0.06	34.78	42.35	42.20	1.31	185	1.09	1.05	1.02	1.02
190	5.20	5.22	5.27	0.06	34.96	42.75	42.84	1.42	190	1.09	1.05	1.02	1.02
195	5.22	5.23	5.28	0.06	35.14	43.09	43.35	1.38	195	1.09	1.05	1.01	1.02
200	5.23	5.24	5.29	0.06	35.36	43.22	43.31	1.48	200	1.10	1.05	1.01	1.02

¹ Total Loss = Insertion Loss+ 4.8dB Splitter Loss

Notes

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