

3 WAY-0° Power Splitter/Combiner

MSC-3-1W

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		1-2	1-3	2-3			S	1	2	3
50.0	5.02	5.03	5.02	0.01	24.58	24.58	24.30	0.15	50.0	1.26	1.17	1.18	1.18
60.0	5.04	5.05	5.03	0.01	24.68	24.71	24.42	0.22	60.0	1.23	1.15	1.15	1.16
70.0	5.03	5.03	5.02	0.01	24.70	24.76	24.48	0.13	70.0	1.21	1.13	1.13	1.14
80.0	5.00	5.01	5.01	0.01	24.66	24.78	24.50	0.13	80.0	1.20	1.11	1.12	1.12
90.0	5.00	5.00	5.00	0.01	24.67	24.82	24.50	0.14	90.0	1.19	1.10	1.11	1.11
100.0	5.02	5.04	5.04	0.02	24.68	24.86	24.57	0.14	100.0	1.18	1.09	1.10	1.10
125.0	5.04	5.06	5.06	0.02	24.60	24.88	24.59	0.25	125.0	1.17	1.08	1.08	1.09
150.0	5.07	5.07	5.08	0.01	24.53	24.91	24.64	0.30	150.0	1.16	1.07	1.07	1.08
175.0	5.03	5.04	5.04	0.01	24.39	24.88	24.63	0.41	175.0	1.15	1.06	1.06	1.07
200.0	5.07	5.08	5.09	0.02	24.30	24.91	24.70	0.36	200.0	1.14	1.06	1.06	1.06
225.0	5.08	5.10	5.11	0.03	24.22	24.94	24.74	0.46	225.0	1.13	1.06	1.06	1.06
250.0	5.14	5.15	5.18	0.04	24.22	25.06	24.90	0.50	250.0	1.13	1.07	1.06	1.06
275.0	5.06	5.07	5.09	0.03	24.07	25.05	24.87	0.57	275.0	1.12	1.07	1.07	1.07
300.0	5.11	5.14	5.16	0.06	24.00	25.12	24.94	0.60	300.0	1.12	1.08	1.07	1.07
325.0	5.12	5.13	5.17	0.05	23.93	25.18	25.01	0.61	325.0	1.11	1.09	1.08	1.07
350.0	5.16	5.19	5.21	0.05	23.93	25.34	25.13	0.66	350.0	1.11	1.10	1.09	1.08
375.0	5.13	5.14	5.18	0.05	23.82	25.40	25.10	0.66	375.0	1.10	1.10	1.10	1.08
400.0	5.16	5.18	5.23	0.07	23.68	25.47	25.12	0.73	400.0	1.10	1.11	1.11	1.09
425.0	5.17	5.20	5.24	0.07	23.62	25.58	25.17	0.72	425.0	1.09	1.12	1.12	1.10
450.0	5.18	5.20	5.25	0.07	23.54	25.69	25.14	0.84	450.0	1.09	1.13	1.13	1.11
475.0	5.20	5.22	5.30	0.09	23.38	25.70	25.01	1.08	475.0	1.09	1.14	1.14	1.11
500.0	5.23	5.25	5.31	0.08	23.22	25.75	24.89	0.98	500.0	1.09	1.15	1.15	1.12
525.0	5.22	5.27	5.32	0.10	23.06	25.75	24.77	1.09	525.0	1.09	1.16	1.16	1.13
550.0	5.24	5.27	5.33	0.09	22.85	25.68	24.52	1.34	550.0	1.10	1.17	1.17	1.13
575.0	5.25	5.28	5.37	0.11	22.54	25.55	24.21	1.39	575.0	1.10	1.17	1.18	1.14
600.0	5.31	5.35	5.41	0.09	22.34	25.43	23.97	1.59	600.0	1.11	1.18	1.19	1.14
610.0	5.28	5.33	5.39	0.11	22.22	25.35	23.83	1.65	610.0	1.11	1.19	1.19	1.14
620.0	5.30	5.34	5.41	0.11	22.09	25.26	23.69	1.71	620.0	1.11	1.19	1.20	1.15
630.0	5.32	5.35	5.43	0.11	21.99	25.20	23.57	1.73	630.0	1.11	1.19	1.20	1.15
640.0	5.35	5.39	5.46	0.11	21.87	25.09	23.43	1.83	640.0	1.11	1.20	1.21	1.15
650.0	5.35	5.38	5.45	0.10	21.73	24.96	23.26	1.78	650.0	1.11	1.20	1.21	1.15
660.0	5.36	5.40	5.47	0.11	21.57	24.83	23.11	1.95	660.0	1.12	1.20	1.22	1.16
670.0	5.39	5.42	5.49	0.11	21.44	24.71	22.96	2.05	670.0	1.12	1.21	1.22	1.16
680.0	5.39	5.44	5.49	0.09	21.32	24.58	22.77	2.14	680.0	1.12	1.21	1.22	1.16
690.0	5.40	5.43	5.50	0.10	21.14	24.43	22.60	2.24	690.0	1.13	1.21	1.23	1.16
700.0	5.39	5.42	5.48	0.09	20.99	24.26	22.42	2.31	700.0	1.13	1.22	1.23	1.16
710.0	5.36	5.39	5.46	0.10	20.80	24.08	22.24	2.39	710.0	1.13	1.22	1.24	1.16
720.0	5.41	5.44	5.51	0.10	20.69	23.95	22.11	2.42	720.0	1.13	1.22	1.24	1.17
730.0	5.46	5.48	5.54	0.08	20.58	23.82	21.97	2.44	730.0	1.13	1.23	1.24	1.17
740.0	5.49	5.52	5.57	0.08	20.45	23.70	21.80	2.46	740.0	1.14	1.23	1.25	1.17
750.0	5.52	5.55	5.58	0.06	20.33	23.54	21.67	2.63	750.0	1.14	1.24	1.25	1.17

¹Total Loss = Insertion Loss + 4.8dB Splitter Loss

