

2 Way-0° Power Splitter/Combiner

MSC-2-1+

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	ISOLATION (dB) 1-2	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
0.1	3.33	3.28	0.05	17.78	0.15	0.1	1.31	1.74	1.74
0.4	3.21	3.17	0.04	28.67	0.10	0.4	1.07	1.16	1.18
0.7	3.23	3.18	0.05	32.54	0.01	0.7	1.05	1.11	1.14
1.0	3.21	3.17	0.04	34.28	0.02	1.0	1.05	1.09	1.12
1.3	3.21	3.16	0.05	35.48	0.05	1.3	1.05	1.08	1.11
1.6	3.20	3.16	0.04	36.55	0.04	1.6	1.05	1.07	1.10
1.9	3.19	3.15	0.04	37.55	0.01	1.9	1.05	1.07	1.10
2.2	3.20	3.15	0.05	38.48	0.04	2.2	1.05	1.06	1.09
2.5	3.19	3.13	0.05	39.37	0.01	2.5	1.05	1.06	1.09
5.0	3.17	3.14	0.04	45.83	0.06	5.0	1.05	1.04	1.07
16.0	3.19	3.15	0.04	52.65	0.18	16.0	1.05	1.02	1.06
27.0	3.23	3.17	0.05	45.06	0.22	27.0	1.06	1.02	1.06
38.0	3.22	3.19	0.03	42.07	0.35	38.0	1.06	1.02	1.06
49.0	3.25	3.21	0.04	40.13	0.40	49.0	1.06	1.02	1.06
60.0	3.25	3.21	0.04	38.68	0.44	60.0	1.06	1.02	1.06
71.0	3.26	3.22	0.04	37.61	0.46	71.0	1.06	1.02	1.06
82.0	3.28	3.23	0.05	36.72	0.55	82.0	1.06	1.02	1.06
93.0	3.29	3.25	0.04	35.91	0.60	93.0	1.07	1.02	1.05
104.0	3.29	3.25	0.04	35.20	0.61	104.0	1.07	1.02	1.05
115.0	3.31	3.27	0.05	34.62	0.67	115.0	1.07	1.02	1.05
126.0	3.32	3.28	0.04	34.14	0.86	126.0	1.07	1.02	1.05
137.0	3.32	3.28	0.04	33.73	0.92	137.0	1.07	1.02	1.05
148.0	3.33	3.29	0.04	33.38	0.93	148.0	1.07	1.02	1.05
159.0	3.34	3.30	0.04	33.06	0.98	159.0	1.08	1.02	1.04
170.0	3.34	3.31	0.04	32.78	0.94	170.0	1.08	1.03	1.04
181.0	3.35	3.31	0.04	32.53	0.96	181.0	1.08	1.03	1.04
192.0	3.38	3.36	0.03	32.40	0.86	192.0	1.08	1.03	1.04
203.0	3.41	3.36	0.05	32.24	1.07	203.0	1.08	1.03	1.04
214.0	3.40	3.36	0.03	32.21	1.16	214.0	1.08	1.04	1.04
225.0	3.38	3.34	0.03	32.11	1.30	225.0	1.08	1.04	1.03
250.0	3.42	3.40	0.02	32.30	1.31	250.0	1.09	1.05	1.03
270.0	3.45	3.42	0.02	32.46	1.24	270.0	1.09	1.05	1.03
290.0	3.50	3.47	0.03	32.91	1.48	290.0	1.09	1.06	1.04
310.0	3.47	3.45	0.02	33.47	1.72	310.0	1.10	1.07	1.04
330.0	3.49	3.47	0.02	34.21	1.76	330.0	1.10	1.08	1.05
350.0	3.59	3.57	0.01	35.11	1.66	350.0	1.11	1.09	1.05
370.0	3.59	3.57	0.02	35.79	1.65	370.0	1.11	1.10	1.06
390.0	3.63	3.61	0.02	36.12	1.94	390.0	1.12	1.12	1.07
410.0	3.62	3.61	0.00	35.41	2.07	410.0	1.13	1.13	1.08
430.0	3.74	3.74	0.00	33.92	2.04	430.0	1.15	1.14	1.09
450.0	3.76	3.77	0.00	31.89	2.03	450.0	1.17	1.16	1.10

¹Total Loss = Insertion Loss + 3dB Splitter Loss

