

# 2 Way-0° Power Splitter/Combiner

# MSC-2-5+

## Typical Performance Data

FREQUENCY (MHz)	TOTAL LOSS <sup>1</sup> (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB)	PHASE UNBALANCE (deg.)	FREQUENCY (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
5.0	3.55	3.59	0.04	18.22	0.04	5.0	1.97	1.60	1.55
10.0	3.56	3.61	0.05	18.55	0.04	10.0	1.97	1.60	1.55
15.0	3.55	3.60	0.05	18.58	0.03	15.0	1.96	1.60	1.55
20.0	3.56	3.61	0.05	18.57	0.01	20.0	1.96	1.60	1.55
25.0	3.57	3.62	0.05	18.57	0.01	25.0	1.96	1.60	1.55
30.0	3.56	3.61	0.05	18.55	0.01	30.0	1.96	1.60	1.55
35.0	3.56	3.60	0.04	18.54	0.08	35.0	1.96	1.60	1.55
40.0	3.57	3.61	0.04	18.55	0.10	40.0	1.95	1.60	1.55
45.0	3.57	3.61	0.04	18.56	0.11	45.0	1.96	1.60	1.55
50.0	3.57	3.62	0.05	18.55	0.05	50.0	1.96	1.60	1.55
75.0	3.58	3.62	0.04	18.60	0.12	75.0	1.95	1.61	1.55
100.0	3.58	3.63	0.05	18.65	0.09	100.0	1.94	1.61	1.55
125.0	3.59	3.63	0.03	18.70	0.11	125.0	1.93	1.61	1.55
150.0	3.60	3.64	0.04	18.76	0.24	150.0	1.92	1.62	1.55
175.0	3.60	3.65	0.05	18.79	0.10	175.0	1.92	1.62	1.55
200.0	3.61	3.63	0.02	18.87	0.06	200.0	1.91	1.62	1.56
225.0	3.63	3.63	0.00	18.93	0.36	225.0	1.91	1.62	1.56
250.0	3.59	3.67	0.08	18.96	0.42	250.0	1.90	1.62	1.56
275.0	3.60	3.67	0.06	19.04	0.01	275.0	1.89	1.62	1.56
300.0	3.64	3.63	0.01	19.15	0.05	300.0	1.89	1.62	1.56
350.0	3.59	3.68	0.10	19.27	0.55	350.0	1.87	1.63	1.56
400.0	3.65	3.61	0.04	19.52	0.28	400.0	1.86	1.63	1.57
450.0	3.59	3.69	0.09	19.64	0.41	450.0	1.84	1.63	1.57
500.0	3.62	3.60	0.03	19.95	0.79	500.0	1.82	1.63	1.57
550.0	3.59	3.67	0.07	20.19	0.23	550.0	1.81	1.63	1.58
600.0	3.61	3.61	0.01	20.51	1.13	600.0	1.78	1.62	1.58
650.0	3.58	3.64	0.06	20.85	0.45	650.0	1.77	1.62	1.58
700.0	3.60	3.62	0.02	21.26	0.95	700.0	1.75	1.62	1.59
750.0	3.56	3.64	0.08	21.70	0.84	750.0	1.72	1.62	1.59
800.0	3.64	3.56	0.08	22.33	0.70	800.0	1.70	1.62	1.60
850.0	3.49	3.70	0.21	22.78	1.07	850.0	1.68	1.61	1.61
900.0	3.66	3.51	0.16	23.67	0.64	900.0	1.65	1.61	1.61
950.0	3.44	3.71	0.27	24.27	0.85	950.0	1.63	1.61	1.61
1000.0	3.66	3.47	0.19	25.48	0.95	1000.0	1.60	1.60	1.62
1050.0	3.46	3.66	0.20	26.46	0.63	1050.0	1.57	1.60	1.62
1100.0	3.60	3.51	0.09	27.96	1.18	1100.0	1.54	1.59	1.63
1150.0	3.50	3.57	0.07	29.54	1.20	1150.0	1.51	1.59	1.63
1200.0	3.55	3.56	0.01	31.63	0.59	1200.0	1.48	1.58	1.63
1300.0	3.57	3.57	0.00	35.07	0.20	1300.0	1.42	1.56	1.63
1400.0	3.61	3.50	0.11	31.54	0.20	1400.0	1.35	1.54	1.62
1500.0	3.61	3.49	0.12	26.78	0.72	1500.0	1.28	1.51	1.61

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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 MSC-2-5+  
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