

2 Way-180° Power Splitter/Combiner

SYPJ-ED14299

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	1	2
0.5	3.79	3.74	0.04	21.94	179.77	0.5	1.42	1.23	1.22
0.7	3.76	3.72	0.03	23.71	179.84	0.7	1.31	1.18	1.18
0.9	3.73	3.70	0.03	24.21	179.87	0.9	1.26	1.16	1.16
1.0	3.72	3.69	0.03	24.27	179.88	1.0	1.24	1.15	1.15
5.0	3.51	3.49	0.02	22.13	179.96	5.0	1.10	1.11	1.11
9.0	3.45	3.43	0.02	20.94	179.96	9.0	1.08	1.11	1.12
10.0	3.45	3.43	0.02	20.77	179.97	10.0	1.07	1.12	1.12
20.0	3.43	3.41	0.02	20.09	179.97	20.0	1.06	1.13	1.13
30.0	3.43	3.42	0.02	19.96	179.98	30.0	1.06	1.13	1.13
40.0	3.45	3.43	0.02	19.99	179.96	40.0	1.06	1.13	1.13
50.0	3.46	3.43	0.02	20.03	179.95	50.0	1.06	1.13	1.13
100.0	3.50	3.46	0.05	20.27	179.88	100.0	1.08	1.13	1.11
150.0	3.56	3.47	0.09	20.54	179.80	150.0	1.10	1.14	1.09
200.0	3.61	3.47	0.14	20.67	179.64	200.0	1.13	1.15	1.07
250.0	3.67	3.48	0.19	20.90	179.43	250.0	1.17	1.16	1.07
300.0	3.73	3.48	0.25	21.09	179.18	300.0	1.21	1.18	1.10
350.0	3.81	3.49	0.31	21.25	178.90	350.0	1.25	1.19	1.15
400.0	3.89	3.52	0.37	21.26	178.59	400.0	1.30	1.21	1.22
410.0	3.90	3.53	0.38	21.25	178.52	410.0	1.31	1.22	1.24
415.0	3.91	3.53	0.38	21.24	178.49	415.0	1.32	1.22	1.25
420.0	3.92	3.54	0.39	21.24	178.45	420.0	1.32	1.22	1.25
425.0	3.93	3.54	0.39	21.21	178.41	425.0	1.33	1.23	1.26
430.0	3.94	3.54	0.40	21.21	178.37	430.0	1.33	1.23	1.27
435.0	3.95	3.55	0.40	21.19	178.34	435.0	1.34	1.23	1.28
440.0	3.96	3.55	0.41	21.17	178.31	440.0	1.35	1.24	1.29
445.0	3.97	3.56	0.41	21.15	178.28	445.0	1.35	1.24	1.30
450.0	3.98	3.56	0.42	21.13	178.26	450.0	1.36	1.24	1.31
455.0	3.99	3.57	0.42	21.11	178.23	455.0	1.37	1.25	1.32
460.0	4.00	3.57	0.43	21.08	178.20	460.0	1.37	1.25	1.33
465.0	4.01	3.58	0.43	21.06	178.17	465.0	1.38	1.25	1.33
470.0	4.02	3.59	0.43	21.03	178.14	470.0	1.38	1.25	1.34
475.0	4.03	3.59	0.44	21.00	178.11	475.0	1.39	1.26	1.35
480.0	4.04	3.60	0.44	20.96	178.08	480.0	1.40	1.26	1.36
485.0	4.05	3.60	0.44	20.92	178.05	485.0	1.40	1.26	1.37
490.0	4.05	3.61	0.44	20.89	178.03	490.0	1.41	1.27	1.39
495.0	4.07	3.62	0.45	20.84	178.00	495.0	1.42	1.27	1.40
500.0	4.08	3.63	0.45	20.80	177.98	500.0	1.42	1.27	1.41
550.0	4.19	3.71	0.47	20.24	177.77	550.0	1.50	1.31	1.52
600.0	4.31	3.84	0.47	19.52	177.69	600.0	1.59	1.36	1.64

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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 The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com



IF/RF MICROWAVE COMPONENTS

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