

2 Way-0° Power Splitter/Combiner

2RACK-2-ED13184/1

Typical Performance Data

FREQ.	Low Power Splitter Section					High Power Combiner Section					FREQ.	VSWR					
(MHz)	TOTAL LOSS ¹		AMPL. UNBAL.	ISOL.	PHASE UNBAL.	TOTAL LOSS ¹		AMPL. UNBAL.	ISOL.	PHASE UNBAL.	(MHz)	(:1)					
	(dB)		(dB)	(dB)	(deg.)	(dB)		(dB)	(dB)	(deg.)							
	J1-J2	J1-J3				J4-J5	J4-J6					J5-J6	J1	J2	J3	J4	J5
400.0	3.42	3.41	0.01	9.87	0.11	3.30	3.30	0.01	5.08	0.50	400.0	1.71	1.16	1.16	1.62	2.76	2.76
500.0	3.36	3.35	0.01	12.00	0.21	3.23	3.22	0.01	5.43	0.78	500.0	1.60	1.06	1.06	1.48	2.83	2.84
550.0	3.32	3.31	0.01	13.23	0.11	3.19	3.19	0.01	5.57	0.74	550.0	1.51	1.04	1.03	1.41	2.85	2.86
600.0	3.28	3.27	0.01	14.66	0.21	3.17	3.16	0.01	5.69	0.97	600.0	1.43	1.02	1.02	1.34	2.85	2.86
650.0	3.24	3.23	0.01	16.36	0.25	3.13	3.13	0.00	5.77	1.18	650.0	1.33	1.02	1.02	1.27	2.85	2.85
700.0	3.20	3.19	0.01	18.42	0.11	3.13	3.09	0.04	5.82	0.95	700.0	1.24	1.03	1.02	1.20	2.83	2.84
725.0	3.19	3.18	0.01	19.69	0.16	3.11	3.09	0.02	5.83	0.97	725.0	1.20	1.04	1.02	1.16	2.83	2.84
750.0	3.18	3.17	0.01	21.22	0.17	3.10	3.09	0.01	5.84	1.04	750.0	1.16	1.05	1.03	1.13	2.83	2.84
775.0	3.17	3.17	0.00	23.06	0.15	3.10	3.08	0.02	5.85	0.97	775.0	1.12	1.05	1.05	1.11	2.83	2.84
800.0	3.17	3.16	0.00	25.34	0.12	3.09	3.08	0.02	5.85	0.91	800.0	1.09	1.06	1.06	1.08	2.82	2.83
825.0	3.17	3.16	0.00	28.40	0.12	3.09	3.07	0.02	5.82	1.01	825.0	1.08	1.07	1.07	1.07	2.81	2.82
850.0	3.17	3.17	0.00	32.85	0.10	3.10	3.07	0.04	5.79	1.05	850.0	1.08	1.08	1.07	1.08	2.80	2.81
855.0	3.17	3.17	0.00	33.94	0.10	3.11	3.06	0.04	5.78	1.04	855.0	1.09	1.09	1.08	1.08	2.80	2.81
860.0	3.17	3.17	0.00	35.08	0.10	3.11	3.06	0.04	5.77	1.02	860.0	1.09	1.09	1.08	1.08	2.80	2.81
865.0	3.17	3.17	0.00	36.19	0.09	3.11	3.06	0.04	5.76	0.99	865.0	1.09	1.09	1.08	1.09	2.80	2.81
870.0	3.17	3.17	0.00	37.15	0.09	3.11	3.07	0.04	5.75	0.97	870.0	1.10	1.09	1.08	1.09	2.80	2.80
875.0	3.17	3.17	0.00	37.75	0.09	3.11	3.07	0.04	5.74	0.94	875.0	1.10	1.09	1.08	1.09	2.80	2.80
880.0	3.17	3.17	0.00	37.82	0.09	3.10	3.07	0.03	5.73	0.91	880.0	1.11	1.10	1.08	1.10	2.80	2.80
885.0	3.17	3.17	0.00	37.33	0.08	3.10	3.07	0.03	5.72	0.89	885.0	1.11	1.10	1.08	1.10	2.79	2.80
890.0	3.17	3.18	0.00	36.44	0.08	3.10	3.08	0.02	5.71	0.86	890.0	1.12	1.10	1.09	1.11	2.79	2.80
895.0	3.17	3.18	0.00	35.37	0.07	3.09	3.08	0.01	5.70	0.83	895.0	1.12	1.10	1.09	1.11	2.79	2.80
900.0	3.17	3.18	0.00	34.24	0.07	3.09	3.08	0.01	5.69	0.82	900.0	1.13	1.10	1.09	1.12	2.79	2.80
925.0	3.18	3.19	0.00	29.45	0.16	3.09	3.09	0.01	5.64	0.99	925.0	1.16	1.11	1.09	1.14	2.78	2.78
950.0	3.20	3.20	0.00	26.11	0.29	3.12	3.09	0.03	5.58	1.23	950.0	1.19	1.11	1.09	1.18	2.77	2.76
975.0	3.21	3.21	0.00	23.69	0.44	3.13	3.10	0.04	5.53	1.27	975.0	1.22	1.10	1.09	1.21	2.76	2.75
1000.0	3.22	3.22	0.00	21.84	0.42	3.13	3.12	0.01	5.46	1.29	1000.0	1.26	1.10	1.09	1.25	2.74	2.74
1100.0	3.31	3.30	0.01	16.70	0.32	3.21	3.19	0.02	5.14	1.14	1100.0	1.38	1.05	1.04	1.37	2.59	2.61
1200.0	3.38	3.37	0.01	13.61	0.42	3.24	3.28	0.04	4.79	1.13	1200.0	1.46	1.07	1.08	1.47	2.39	2.46
1300.0	3.44	3.41	0.02	11.23	0.62	3.27	3.37	0.10	4.50	1.20	1300.0	1.5	1.22	1.22	1.56	2.19	2.33
1400.0	3.52	3.47	0.06	9.28	0.62	3.26	3.47	0.21	4.35	1.36	1400.0	1.61	1.44	1.44	1.61	2.03	2.26

¹Total Loss = Insertion Loss + 3dB Splitter Loss



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site
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