

3 Way-0° Power Splitter/Combiner

RACK-3-ED9920B/2

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)			AMP. UNBAL. (dB)	ISOLATION (dB)			PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)			
	J1-J3	J1-J4	J1-J5		J3-J4	J3-J5	J4-J5			J1	J3	J4	J5
1800.0	5.21	5.16	5.18	0.05	9.93	10.13	10.02	2.48	1800.0	1.32	4.79	4.70	4.79
1810.0	5.19	5.15	5.17	0.04	9.99	10.19	10.08	2.50	1810.0	1.31	4.75	4.70	4.80
1820.0	5.18	5.15	5.16	0.03	10.05	10.24	10.15	2.52	1820.0	1.30	4.74	4.73	4.84
1830.0	5.16	5.14	5.15	0.02	10.11	10.29	10.21	2.51	1830.0	1.29	4.75	4.77	4.90
1840.0	5.15	5.13	5.14	0.02	10.16	10.34	10.26	2.53	1840.0	1.28	4.78	4.82	4.96
1850.0	5.13	5.12	5.12	0.01	10.20	10.38	10.30	2.54	1850.0	1.26	4.83	4.86	4.99
1860.0	5.11	5.11	5.10	0.01	10.24	10.41	10.34	2.54	1860.0	1.25	4.87	4.89	5.00
1870.0	5.09	5.09	5.09	0.00	10.26	10.43	10.37	2.55	1870.0	1.24	4.90	4.89	4.97
1880.0	5.06	5.07	5.06	0.01	10.28	10.44	10.39	2.55	1880.0	1.23	4.90	4.86	4.92
1890.0	5.03	5.05	5.04	0.02	10.29	10.45	10.40	2.56	1890.0	1.22	4.86	4.82	4.85
1900.0	5.00	5.03	5.01	0.02	10.30	10.44	10.41	2.57	1900.0	1.21	4.79	4.77	4.79
1930.0	4.93	4.97	4.95	0.04	10.30	10.44	10.41	2.57	1930.0	1.17	4.59	4.67	4.71
1935.0	4.92	4.97	4.95	0.04	10.30	10.43	10.41	2.57	1935.0	1.16	4.56	4.66	4.71
1940.0	4.92	4.96	4.94	0.05	10.30	10.42	10.41	2.56	1940.0	1.16	4.55	4.65	4.70
1945.0	4.91	4.96	4.94	0.05	10.29	10.42	10.41	2.56	1945.0	1.15	4.53	4.64	4.69
1950.0	4.91	4.96	4.94	0.05	10.29	10.42	10.41	2.55	1950.0	1.14	4.52	4.62	4.67
1955.0	4.91	4.96	4.94	0.06	10.29	10.41	10.41	2.55	1955.0	1.14	4.51	4.61	4.65
1960.0	4.90	4.96	4.94	0.06	10.28	10.40	10.40	2.55	1960.0	1.13	4.50	4.59	4.63
1965.0	4.90	4.96	4.94	0.06	10.28	10.39	10.39	2.54	1965.0	1.12	4.50	4.57	4.60
1970.0	4.90	4.96	4.93	0.06	10.27	10.38	10.39	2.56	1970.0	1.12	4.50	4.56	4.57
1975.0	4.89	4.96	4.93	0.07	10.25	10.36	10.37	2.55	1975.0	1.11	4.49	4.55	4.54
1980.0	4.89	4.96	4.93	0.07	10.24	10.34	10.36	2.54	1980.0	1.11	4.49	4.54	4.52
1985.0	4.88	4.96	4.92	0.07	10.22	10.32	10.34	2.54	1985.0	1.10	4.49	4.53	4.49
1990.0	4.88	4.95	4.92	0.08	10.18	10.27	10.30	2.53	1990.0	1.10	4.48	4.52	4.48
2000.0	4.86	4.94	4.90	0.08	10.17	10.26	10.29	2.53	2000.0	1.09	4.46	4.51	4.45
2010.0	4.84	4.93	4.89	0.09	10.12	10.20	10.24	2.53	2010.0	1.07	4.43	4.51	4.44
2020.0	4.83	4.92	4.88	0.09	10.06	10.13	10.18	2.52	2020.0	1.06	4.38	4.49	4.44
2030.0	4.81	4.91	4.86	0.10	10.00	10.07	10.13	2.52	2030.0	1.05	4.34	4.47	4.43
2040.0	4.80	4.91	4.85	0.10	9.94	9.99	10.06	2.50	2040.0	1.05	4.30	4.45	4.42
2050.0	4.79	4.90	4.85	0.11	9.88	9.92	10.00	2.49	2050.0	1.04	4.29	4.44	4.41
2060.0	4.80	4.91	4.85	0.11	9.82	9.85	9.94	2.48	2060.0	1.03	4.29	4.43	4.39
2070.0	4.80	4.92	4.86	0.12	9.75	9.78	9.88	2.47	2070.0	1.03	4.31	4.42	4.36
2080.0	4.81	4.93	4.87	0.12	9.69	9.70	9.81	2.46	2080.0	1.03	4.32	4.41	4.32
2090.0	4.82	4.95	4.88	0.13	9.62	9.62	9.74	2.44	2090.0	1.04	4.31	4.39	4.28
2100.0	4.82	4.95	4.88	0.13	9.54	9.53	9.66	2.44	2100.0	1.05	4.28	4.37	4.24
2110.0	4.82	4.96	4.88	0.14	9.46	9.44	9.58	2.43	2110.0	1.05	4.23	4.35	4.21
2120.0	4.82	4.97	4.88	0.14	9.38	9.35	9.50	2.42	2120.0	1.06	4.18	4.34	4.19
2130.0	4.82	4.97	4.88	0.15	9.29	9.25	9.41	2.41	2130.0	1.07	4.14	4.32	4.18
2140.0	4.82	4.98	4.88	0.15	9.20	9.14	9.32	2.41	2140.0	1.09	4.10	4.32	4.18
2150.0	4.82	4.98	4.88	0.16	9.11	9.04	9.23	2.39	2150.0	1.10	4.09	4.31	4.16

¹Total Loss = Insertion Loss + 4.8dB 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
The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS



REV. X2
RACK-3-ED9920B/2

9/1/2010

Page 1 of 1