

2 Way-90° Power Splitter/Combiner

QCN-ED13387

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
500.0	4.18	2.58	1.60	26.36	89.10	500.0	1.16	1.12	1.13
550.0	3.83	2.84	0.99	26.65	89.13	550.0	1.15	1.13	1.13
588.0	3.62	3.03	0.59	26.78	89.15	588.0	1.15	1.14	1.13
600.0	3.56	3.09	0.47	26.86	89.14	600.0	1.15	1.14	1.12
620.0	3.47	3.17	0.29	27.08	89.15	620.0	1.15	1.14	1.12
640.0	3.38	3.26	0.12	27.28	89.15	640.0	1.15	1.14	1.12
660.0	3.31	3.34	0.03	27.41	89.17	660.0	1.15	1.15	1.11
680.0	3.24	3.41	0.17	27.45	89.18	680.0	1.14	1.15	1.11
700.0	3.18	3.48	0.30	27.54	89.18	700.0	1.14	1.15	1.11
720.0	3.13	3.55	0.42	27.71	89.19	720.0	1.14	1.15	1.10
740.0	3.08	3.60	0.52	27.91	89.21	740.0	1.14	1.15	1.10
760.0	3.04	3.66	0.61	28.04	89.23	760.0	1.13	1.15	1.09
780.0	3.01	3.70	0.69	28.09	89.25	780.0	1.13	1.15	1.08
800.0	2.98	3.74	0.76	28.11	89.27	800.0	1.13	1.15	1.08
820.0	2.96	3.77	0.81	28.16	89.28	820.0	1.13	1.15	1.08
840.0	2.95	3.80	0.86	28.27	89.30	840.0	1.12	1.14	1.07
860.0	2.94	3.82	0.88	28.38	89.33	860.0	1.12	1.14	1.06
880.0	2.93	3.83	0.90	28.40	89.36	880.0	1.11	1.13	1.06
900.0	2.94	3.84	0.90	28.29	89.39	900.0	1.11	1.13	1.05
920.0	2.95	3.84	0.89	28.11	89.42	920.0	1.11	1.12	1.04
940.0	2.96	3.83	0.86	27.97	89.44	940.0	1.10	1.12	1.04
960.0	2.99	3.81	0.82	27.91	89.49	960.0	1.10	1.11	1.03
980.0	3.02	3.78	0.76	27.80	89.53	980.0	1.09	1.10	1.02
1000.0	3.06	3.75	0.69	27.49	89.58	1000.0	1.09	1.09	1.01
1020.0	3.11	3.70	0.60	26.99	89.64	1020.0	1.09	1.08	1.02
1050.0	3.20	3.62	0.42	26.14	89.77	1050.0	1.08	1.06	1.03
1100.0	3.42	3.44	0.02	24.74	90.09	1100.0	1.07	1.02	1.06
1150.0	3.75	3.19	0.55	22.53	90.64	1150.0	1.08	1.04	1.10
1200.0	4.23	2.89	1.34	20.14	91.73	1200.0	1.09	1.13	1.15

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

IF/RF MICROWAVE COMPONENTS



REV. X2
 QCN-ED13387
 9/1/2010
 Page 1 of 1