

2 Way-90° Power Splitter/Combiner

QCN-ED13193/2

Typical Performance Data

FREQ.	TOTAL LOSS ¹		AMP. UNBAL.	ISOLATION	PHASE UNBAL.	FREQ.	VSWR		
(MHz)	(dB)		(dB)	(dB)	(Deg.)	(MHz)	(:1)		
	S-1	S-2		1-2			S	1	2
500.0	4.70	2.23	2.47	18.55	87.92	500.0	1.31	1.29	1.30
550.0	4.31	2.47	1.83	18.63	88.19	550.0	1.30	1.28	1.29
600.0	3.97	2.70	1.27	18.78	88.48	600.0	1.29	1.25	1.28
625.0	3.83	2.81	1.01	18.86	88.60	625.0	1.29	1.24	1.28
650.0	3.69	2.92	0.77	18.96	88.72	650.0	1.28	1.23	1.27
675.0	3.57	3.02	0.55	19.07	88.87	675.0	1.27	1.22	1.26
695.0	3.48	3.10	0.39	19.18	88.99	695.0	1.27	1.21	1.26
696.0	3.48	3.10	0.38	19.18	88.99	696.0	1.27	1.21	1.26
697.0	3.48	3.10	0.37	19.18	88.99	697.0	1.27	1.21	1.26
698.0	3.47	3.11	0.36	19.18	89.01	698.0	1.27	1.21	1.26
699.0	3.47	3.11	0.36	19.20	89.01	699.0	1.27	1.21	1.26
700.0	3.47	3.12	0.35	19.20	89.01	700.0	1.27	1.20	1.26
750.0	3.27	3.30	0.02	19.44	89.31	750.0	1.26	1.18	1.24
800.0	3.12	3.45	0.33	19.71	89.62	800.0	1.25	1.16	1.23
802.0	3.11	3.46	0.34	19.72	89.63	802.0	1.25	1.16	1.23
804.0	3.11	3.46	0.35	19.73	89.64	804.0	1.25	1.16	1.22
806.0	3.10	3.47	0.37	19.74	89.65	806.0	1.25	1.15	1.22
810.0	3.09	3.48	0.39	19.76	89.68	810.0	1.25	1.15	1.22
812.0	3.09	3.49	0.40	19.77	89.69	812.0	1.25	1.15	1.22
814.0	3.08	3.49	0.41	19.77	89.70	814.0	1.25	1.15	1.22
816.0	3.08	3.50	0.42	19.79	89.71	816.0	1.25	1.15	1.22
818.0	3.07	3.50	0.43	19.80	89.73	818.0	1.25	1.15	1.22
820.0	3.07	3.51	0.44	19.80	89.74	820.0	1.25	1.15	1.22
822.0	3.06	3.52	0.45	19.82	89.76	822.0	1.25	1.15	1.22
824.0	3.06	3.52	0.46	19.81	89.77	824.0	1.25	1.15	1.22
825.0	3.06	3.52	0.47	19.82	89.78	825.0	1.25	1.14	1.22
875.0	2.95	3.65	0.69	20.01	90.06	875.0	1.25	1.13	1.21
880.0	2.95	3.66	0.71	20.04	90.08	880.0	1.25	1.13	1.21
885.0	2.94	3.67	0.73	20.04	90.11	885.0	1.25	1.12	1.20
890.0	2.93	3.68	0.75	20.07	90.14	890.0	1.25	1.12	1.20
891.0	2.93	3.68	0.75	20.06	90.15	891.0	1.25	1.12	1.20
892.0	2.93	3.68	0.76	20.07	90.15	892.0	1.25	1.12	1.20
893.0	2.93	3.69	0.76	20.07	90.16	893.0	1.25	1.12	1.20
894.0	2.93	3.69	0.76	20.08	90.17	894.0	1.25	1.12	1.20
900.0	2.92	3.70	0.78	20.09	90.19	900.0	1.25	1.12	1.20
920.0	2.89	3.74	0.85	20.15	90.32	920.0	1.26	1.12	1.20
940.0	2.87	3.77	0.91	20.17	90.46	940.0	1.26	1.11	1.19
960.0	2.85	3.80	0.95	20.20	90.57	960.0	1.27	1.11	1.19
980.0	2.84	3.83	0.98	20.22	90.70	980.0	1.27	1.11	1.19
1000.0	2.84	3.85	1.01	20.22	90.81	1000.0	1.28	1.11	1.18
1050.0	2.86	3.88	1.02	20.07	91.17	1050.0	1.30	1.12	1.18
1100.0	2.90	3.87	0.97	19.83	91.50	1100.0	1.33	1.14	1.17
1150.0	3.01	3.83	0.82	19.36	91.94	1150.0	1.36	1.17	1.18
1200.0	3.16	3.76	0.60	18.77	92.39	1200.0	1.41	1.20	1.18
1202.0	3.16	3.75	0.59	18.75	92.40	1202.0	1.41	1.21	1.19
1204.0	3.17	3.75	0.58	18.73	92.42	1204.0	1.41	1.21	1.19
1206.0	3.18	3.75	0.57	18.69	92.44	1206.0	1.42	1.21	1.19
1208.0	3.19	3.74	0.56	18.66	92.45	1208.0	1.42	1.21	1.19
1210.0	3.20	3.74	0.54	18.64	92.48	1210.0	1.42	1.21	1.19
1212.0	3.20	3.73	0.53	18.59	92.49	1212.0	1.42	1.21	1.19
1214.0	3.21	3.73	0.52	18.58	92.52	1214.0	1.42	1.21	1.19
1216.0	3.22	3.73	0.51	18.52	92.55	1216.0	1.43	1.22	1.19
1218.0	3.23	3.72	0.49	18.48	92.57	1218.0	1.43	1.22	1.19
1220.0	3.24	3.72	0.48	18.46	92.59	1220.0	1.43	1.22	1.19
1225.0	3.26	3.71	0.44	18.37	92.65	1225.0	1.44	1.22	1.19
1227.6	3.27	3.70	0.43	18.32	92.69	1227.6	1.44	1.23	1.19
1230.0	3.28	3.69	0.41	18.29	92.72	1230.0	1.44	1.23	1.19
1265.0	3.47	3.60	0.13	17.64	93.19	1265.0	1.49	1.26	1.21
1300.0	3.70	3.49	0.21	16.93	93.74	1300.0	1.54	1.29	1.23
1310.0	3.79	3.46	0.32	16.71	93.90	1310.0	1.56	1.30	1.23
1320.0	3.87	3.43	0.45	16.48	94.10	1320.0	1.57	1.31	1.24
1330.0	3.97	3.39	0.58	16.24	94.32	1330.0	1.59	1.32	1.25
1340.0	4.07	3.36	0.71	16.00	94.55	1340.0	1.61	1.33	1.26
1350.0	4.18	3.32	0.86	15.74	94.78	1350.0	1.63	1.34	1.27
1375.0	4.49	3.22	1.26	15.06	95.51	1375.0	1.69	1.37	1.29
1400.0	4.86	3.12	1.73	14.35	96.38	1400.0	1.75	1.40	1.33

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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