

2 Way-90° Power Splitter/Combiner

QCS-83+

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
4000.0	3.51	4.15	0.22	16.82	91.24	4000.0	1.34	1.29	1.28
4050.0	3.55	4.11	0.14	16.66	91.19	4050.0	1.34	1.29	1.28
4100.0	3.60	4.05	0.06	16.51	91.15	4100.0	1.35	1.30	1.29
4150.0	3.65	4.01	0.01	16.36	91.11	4150.0	1.36	1.31	1.29
4200.0	3.69	3.97	0.08	16.26	91.04	4200.0	1.36	1.32	1.29
4250.0	3.73	3.92	0.15	16.15	90.98	4250.0	1.36	1.33	1.30
4300.0	3.76	3.89	0.21	16.07	90.92	4300.0	1.37	1.34	1.30
4350.0	3.80	3.84	0.27	15.99	90.83	4350.0	1.37	1.34	1.31
4400.0	3.84	3.81	0.33	15.88	90.78	4400.0	1.37	1.35	1.30
4450.0	3.86	3.77	0.38	15.88	90.70	4450.0	1.37	1.36	1.30
4500.0	3.89	3.74	0.43	15.85	90.62	4500.0	1.36	1.36	1.30
4550.0	3.92	3.70	0.48	15.78	90.54	4550.0	1.37	1.36	1.31
4600.0	3.94	3.68	0.52	15.79	90.50	4600.0	1.37	1.36	1.30
4650.0	3.97	3.65	0.57	15.74	90.45	4650.0	1.36	1.37	1.30
4700.0	3.99	3.62	0.60	15.75	90.34	4700.0	1.36	1.37	1.30
4750.0	4.00	3.60	0.63	15.79	90.30	4750.0	1.35	1.37	1.30
4800.0	4.02	3.58	0.66	15.74	90.24	4800.0	1.35	1.36	1.30
4850.0	4.03	3.56	0.68	15.79	90.22	4850.0	1.35	1.36	1.29
4900.0	4.05	3.53	0.71	15.79	90.16	4900.0	1.34	1.36	1.29
4950.0	4.05	3.51	0.73	15.85	90.13	4950.0	1.34	1.35	1.28
5000.0	4.06	3.49	0.74	15.95	90.11	5000.0	1.33	1.35	1.28
5050.0	4.06	3.47	0.76	15.96	90.14	5050.0	1.32	1.34	1.28
5100.0	4.07	3.45	0.77	16.06	90.18	5100.0	1.32	1.34	1.27
5150.0	4.08	3.42	0.78	16.16	90.22	5150.0	1.31	1.33	1.27
5200.0	4.08	3.41	0.79	16.21	90.29	5200.0	1.29	1.32	1.26
5250.0	4.08	3.39	0.80	16.42	90.33	5250.0	1.29	1.32	1.26
5300.0	4.08	3.38	0.80	16.46	90.41	5300.0	1.28	1.30	1.25
5350.0	4.08	3.36	0.80	16.59	90.53	5350.0	1.27	1.29	1.25
5400.0	4.08	3.33	0.81	16.81	90.62	5400.0	1.26	1.28	1.24
5450.0	4.08	3.33	0.81	16.92	90.71	5450.0	1.25	1.27	1.24
5500.0	4.08	3.31	0.81	17.14	90.85	5500.0	1.24	1.25	1.23
5550.0	4.08	3.31	0.81	17.31	90.99	5550.0	1.23	1.24	1.23
5600.0	4.08	3.29	0.81	17.47	91.08	5600.0	1.22	1.23	1.23
5650.0	4.07	3.28	0.80	17.72	91.22	5650.0	1.21	1.22	1.22
5700.0	4.07	3.27	0.80	17.87	91.38	5700.0	1.21	1.20	1.21
5750.0	4.07	3.28	0.80	18.10	91.50	5750.0	1.19	1.19	1.20
5800.0	4.06	3.27	0.79	18.43	91.66	5800.0	1.18	1.18	1.19
5850.0	4.07	3.27	0.80	18.65	91.82	5850.0	1.18	1.16	1.18
5900.0	4.07	3.28	0.79	18.94	91.96	5900.0	1.17	1.15	1.19
5950.0	4.07	3.28	0.78	19.25	92.11	5950.0	1.16	1.14	1.17
6000.0	4.07	3.30	0.78	19.71	92.25	6000.0	1.14	1.13	1.16
6100.0	4.07	3.32	0.77	20.37	92.61	6100.0	1.13	1.09	1.14
6200.0	4.07	3.34	0.76	21.55	93.02	6200.0	1.10	1.07	1.12
6300.0	4.08	3.35	0.75	22.65	93.35	6300.0	1.09	1.05	1.11
6400.0	4.10	3.35	0.74	24.16	93.67	6400.0	1.07	1.03	1.08
6500.0	4.12	3.36	0.73	25.97	93.94	6500.0	1.06	1.02	1.07
6600.0	4.13	3.36	0.73	28.47	94.06	6600.0	1.04	1.03	1.04
6700.0	4.11	3.37	0.70	31.65	94.12	6700.0	1.02	1.04	1.01
6800.0	4.09	3.39	0.65	37.16	94.21	6800.0	1.01	1.07	1.02
6900.0	4.07	3.42	0.59	42.58	94.27	6900.0	1.03	1.09	1.05
7000.0	4.05	3.46	0.53	35.77	94.29	7000.0	1.05	1.10	1.08
7100.0	4.02	3.50	0.45	30.26	94.27	7100.0	1.07	1.12	1.12
7200.0	3.99	3.57	0.35	26.80	94.26	7200.0	1.09	1.13	1.16
7300.0	3.95	3.65	0.23	24.49	94.19	7300.0	1.11	1.14	1.20
7400.0	3.90	3.74	0.09	22.32	94.15	7400.0	1.13	1.15	1.25
7500.0	3.85	3.84	0.07	20.77	94.11	7500.0	1.15	1.16	1.31
7600.0	3.79	3.97	0.26	19.27	94.11	7600.0	1.18	1.17	1.38
7700.0	3.73	4.10	0.48	18.13	94.14	7700.0	1.22	1.19	1.44
7800.0	3.67	4.24	0.73	17.08	94.26	7800.0	1.26	1.21	1.52
7900.0	3.61	4.39	1.01	16.14	94.57	7900.0	1.32	1.24	1.61
8000.0	3.55	4.55	1.31	15.41	94.99	8000.0	1.36	1.28	1.70

¹Total Loss = Insertion Loss + 3dB Splitter Loss

