

2 Way-90° Power Splitter/Combiner

QCS-ED13415/5

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
3500.0	4.31	2.69	1.62	24.01	88.04	3500.0	1.09	1.18	1.10
3600.0	4.22	2.78	1.44	23.34	88.01	3600.0	1.11	1.18	1.11
3700.0	4.13	2.86	1.27	22.97	87.98	3700.0	1.11	1.18	1.13
3800.0	4.04	2.94	1.09	22.18	87.90	3800.0	1.13	1.19	1.14
3900.0	3.95	3.03	0.93	21.71	87.80	3900.0	1.14	1.20	1.16
4000.0	3.88	3.11	0.77	20.95	87.67	4000.0	1.16	1.22	1.18
4100.0	3.81	3.18	0.63	20.62	87.46	4100.0	1.16	1.23	1.21
4200.0	3.76	3.25	0.51	20.26	87.22	4200.0	1.17	1.25	1.22
4300.0	3.72	3.32	0.40	19.85	86.96	4300.0	1.19	1.26	1.23
4400.0	3.68	3.37	0.31	19.50	86.66	4400.0	1.20	1.28	1.24
4500.0	3.64	3.40	0.24	19.53	86.32	4500.0	1.20	1.28	1.23
4600.0	3.63	3.45	0.18	19.22	86.00	4600.0	1.23	1.29	1.22
4700.0	3.60	3.48	0.12	19.36	85.72	4700.0	1.22	1.28	1.22
4800.0	3.57	3.50	0.07	19.41	85.54	4800.0	1.22	1.29	1.21
4900.0	3.58	3.54	0.04	19.24	85.50	4900.0	1.23	1.29	1.21
5000.0	3.56	3.55	0.01	19.42	85.61	5000.0	1.22	1.30	1.21
5100.0	3.56	3.57	0.01	19.66	85.86	5100.0	1.22	1.29	1.20
5200.0	3.55	3.57	0.02	20.11	86.23	5200.0	1.21	1.29	1.19
5300.0	3.55	3.58	0.03	20.45	86.59	5300.0	1.21	1.27	1.19
5400.0	3.57	3.60	0.03	20.85	87.00	5400.0	1.21	1.24	1.20
5500.0	3.56	3.60	0.04	21.64	87.37	5500.0	1.19	1.22	1.21
5600.0	3.55	3.61	0.06	22.52	87.63	5600.0	1.18	1.20	1.22
5700.0	3.56	3.63	0.07	23.15	87.83	5700.0	1.20	1.18	1.24
5800.0	3.55	3.65	0.10	24.04	87.92	5800.0	1.20	1.17	1.25
5900.0	3.56	3.68	0.12	24.51	87.99	5900.0	1.20	1.16	1.25
6000.0	3.55	3.68	0.13	25.45	88.04	6000.0	1.20	1.15	1.26
6100.0	3.56	3.70	0.14	26.06	88.08	6100.0	1.20	1.15	1.26
6200.0	3.58	3.71	0.13	25.92	88.18	6200.0	1.22	1.15	1.27
6300.0	3.61	3.73	0.13	25.62	88.32	6300.0	1.21	1.16	1.27
6400.0	3.65	3.76	0.11	24.64	88.42	6400.0	1.23	1.19	1.27
6500.0	3.69	3.77	0.08	23.99	88.52	6500.0	1.24	1.22	1.26
6600.0	3.74	3.78	0.04	23.12	88.41	6600.0	1.26	1.27	1.25
6700.0	3.79	3.76	0.02	22.07	88.21	6700.0	1.25	1.31	1.26
6800.0	3.85	3.75	0.10	20.77	87.82	6800.0	1.27	1.36	1.27
6900.0	3.92	3.73	0.19	19.65	87.26	6900.0	1.27	1.40	1.28
7000.0	4.01	3.70	0.31	18.77	86.56	7000.0	1.28	1.45	1.30
7100.0	4.13	3.66	0.47	18.00	85.76	7100.0	1.29	1.50	1.32
7200.0	4.28	3.62	0.66	17.20	84.94	7200.0	1.31	1.56	1.33
7300.0	4.46	3.55	0.91	16.49	84.10	7300.0	1.32	1.65	1.35
7400.0	4.67	3.47	1.20	15.91	83.23	7400.0	1.32	1.76	1.37
7500.0	4.92	3.38	1.54	15.28	82.38	7500.0	1.36	1.87	1.39

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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



IF/RF MICROWAVE COMPONENTS

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