

2 Way-90° Power Splitter/Combiner

QCS-ED13415/3

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
2800.0	4.30	2.62	1.69	21.73	91.82	2800.0	1.05	1.46	1.08
3000.0	4.04	2.82	1.23	23.71	92.19	3000.0	1.09	1.40	1.11
3050.0	3.99	2.86	1.13	24.21	92.24	3050.0	1.10	1.38	1.12
3075.0	3.96	2.89	1.08	24.52	92.27	3075.0	1.11	1.37	1.12
3100.0	3.94	2.91	1.03	24.79	92.28	3100.0	1.11	1.36	1.12
3125.0	3.91	2.93	0.98	25.06	92.29	3125.0	1.12	1.36	1.13
3150.0	3.88	2.95	0.94	25.36	92.30	3150.0	1.12	1.35	1.13
3250.0	3.79	3.03	0.76	26.60	92.31	3250.0	1.13	1.32	1.14
3275.0	3.77	3.05	0.72	26.87	92.30	3275.0	1.14	1.32	1.14
3300.0	3.76	3.08	0.68	27.14	92.30	3300.0	1.14	1.31	1.14
3325.0	3.73	3.09	0.64	27.44	92.29	3325.0	1.14	1.31	1.14
3350.0	3.71	3.11	0.60	27.75	92.28	3350.0	1.15	1.30	1.14
3600.0	3.55	3.30	0.24	29.28	92.13	3600.0	1.17	1.26	1.16
3800.0	3.45	3.45	0.00	28.33	92.03	3800.0	1.18	1.24	1.16
3850.0	3.43	3.49	0.06	27.99	92.00	3850.0	1.18	1.24	1.16
3875.0	3.42	3.50	0.08	27.78	92.00	3875.0	1.18	1.24	1.16
3900.0	3.41	3.51	0.11	27.56	92.00	3900.0	1.18	1.23	1.16
3925.0	3.40	3.53	0.13	27.37	92.00	3925.0	1.18	1.23	1.16
3950.0	3.40	3.55	0.15	27.21	92.01	3950.0	1.18	1.23	1.16
4000.0	3.38	3.57	0.19	26.86	91.99	4000.0	1.18	1.23	1.16
4400.0	3.33	3.68	0.35	24.67	92.13	4400.0	1.14	1.22	1.12
4450.0	3.33	3.69	0.36	24.58	92.17	4450.0	1.14	1.22	1.10
4475.0	3.33	3.68	0.36	24.49	92.19	4475.0	1.14	1.22	1.10
4500.0	3.33	3.68	0.35	24.46	92.20	4500.0	1.14	1.22	1.10
4525.0	3.34	3.69	0.35	24.38	92.23	4525.0	1.13	1.22	1.09
4550.0	3.34	3.69	0.35	24.26	92.24	4550.0	1.13	1.22	1.09
4700.0	3.35	3.66	0.31	24.18	92.42	4700.0	1.11	1.20	1.08
4900.0	3.39	3.64	0.25	24.15	92.67	4900.0	1.12	1.17	1.11
4950.0	3.40	3.63	0.23	24.20	92.75	4950.0	1.12	1.15	1.12
4975.0	3.41	3.63	0.22	24.20	92.75	4975.0	1.13	1.15	1.12
5000.0	3.41	3.62	0.21	24.16	92.77	5000.0	1.13	1.14	1.13
5025.0	3.41	3.61	0.20	24.19	92.81	5025.0	1.13	1.13	1.14
5050.0	3.42	3.61	0.19	24.28	92.84	5050.0	1.14	1.13	1.14
5100.0	3.44	3.61	0.17	24.36	92.85	5100.0	1.14	1.12	1.16
5300.0	3.51	3.60	0.08	24.47	92.87	5300.0	1.18	1.06	1.21
5500.0	3.61	3.61	0.00	24.15	92.73	5500.0	1.24	1.04	1.28
5700.0	3.75	3.62	0.13	23.38	92.56	5700.0	1.31	1.13	1.36
5900.0	3.96	3.58	0.37	22.06	92.29	5900.0	1.38	1.25	1.42
6100.0	4.24	3.44	0.80	20.61	91.64	6100.0	1.44	1.41	1.44
6300.0	4.60	3.20	1.40	19.14	90.48	6300.0	1.47	1.61	1.43

¹Total Loss = Insertion Loss + 3dB Splitter Loss



REV. X2

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IF/RF MICROWAVE COMPONENTS

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