

# 2 Way-90° Power Splitter/Combiner

# QCS-312+

## Typical Performance Data

FREQ. (MHz)	TOTAL LOSS <sup>1</sup>		AMP. UNBAL. (dB)	ISOLATION (dB)	PHASE UNBAL. (Deg.)	FREQ. (MHz)	VSWR		
	(dB)						(:1)		
	S-1	S-2					S	1	2
1700.0	3.68	3.00	0.69	24.22	87.12	1700.0	1.01	1.30	1.02
1720.0	3.65	3.02	0.63	24.34	87.13	1720.0	1.01	1.30	1.01
1740.0	3.62	3.05	0.57	24.46	87.14	1740.0	1.01	1.29	1.01
1760.0	3.59	3.08	0.51	24.61	87.15	1760.0	1.01	1.29	1.01
1780.0	3.56	3.11	0.45	24.82	87.17	1780.0	1.02	1.28	1.01
1800.0	3.53	3.13	0.40	25.02	87.18	1800.0	1.02	1.28	1.01
1820.0	3.50	3.16	0.34	25.20	87.18	1820.0	1.02	1.28	1.02
1840.0	3.48	3.19	0.29	25.34	87.20	1840.0	1.02	1.27	1.02
1850.0	3.46	3.20	0.27	25.42	87.19	1850.0	1.03	1.27	1.02
1900.0	3.41	3.26	0.14	25.94	87.20	1900.0	1.03	1.26	1.03
1950.0	3.35	3.32	0.03	26.40	87.18	1950.0	1.04	1.25	1.04
1975.0	3.33	3.34	0.02	26.65	87.18	1975.0	1.04	1.25	1.05
1990.0	3.32	3.36	0.05	26.85	87.19	1990.0	1.04	1.24	1.05
2000.0	3.31	3.37	0.07	26.96	87.18	2000.0	1.05	1.24	1.05
2050.0	3.26	3.42	0.16	27.58	87.14	2050.0	1.05	1.23	1.06
2100.0	3.23	3.47	0.24	28.10	87.09	2100.0	1.06	1.22	1.07
2150.0	3.20	3.51	0.31	28.78	87.03	2150.0	1.07	1.21	1.08
2200.0	3.17	3.55	0.37	29.40	86.98	2200.0	1.07	1.20	1.09
2250.0	3.16	3.58	0.43	30.21	86.92	2250.0	1.08	1.19	1.10
2300.0	3.14	3.61	0.47	30.83	86.82	2300.0	1.08	1.17	1.11
2400.0	3.13	3.65	0.52	32.53	86.67	2400.0	1.09	1.15	1.13
2450.0	3.14	3.66	0.53	33.25	86.61	2450.0	1.10	1.14	1.13
2500.0	3.14	3.67	0.52	34.34	86.51	2500.0	1.10	1.13	1.14
2550.0	3.16	3.67	0.51	35.05	86.48	2550.0	1.11	1.11	1.14
2600.0	3.18	3.66	0.48	36.05	86.39	2600.0	1.11	1.10	1.14
2800.0	3.33	3.56	0.23	39.38	86.29	2800.0	1.11	1.06	1.14
3000.0	3.61	3.33	0.28	43.36	86.44	3000.0	1.09	1.04	1.11
3100.0	3.82	3.17	0.65	43.80	86.58	3100.0	1.07	1.04	1.08

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss

