

# 2 Way-90° Power Splitter/Combiner

# QCV-ED13423C/3

## Typical Performance Data

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (dB)		AMP. UNBAL. (dB)	ISOLATION (dB)	PHASE UNBAL. (Deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2		1-2			S	1	2
125.0	2.49	4.58	2.09	20.07	85.95	125.0	1.18	1.20	1.18
130.0	2.59	4.43	1.85	20.04	85.89	130.0	1.18	1.20	1.18
135.0	2.68	4.30	1.62	20.01	85.82	135.0	1.17	1.21	1.18
140.0	2.78	4.18	1.40	19.98	85.75	140.0	1.17	1.21	1.18
145.0	2.86	4.07	1.21	19.96	85.71	145.0	1.17	1.21	1.18
150.0	2.94	3.97	1.02	19.96	85.65	150.0	1.17	1.21	1.18
155.0	3.03	3.88	0.85	19.96	85.60	155.0	1.17	1.21	1.18
160.0	3.10	3.80	0.70	20.00	85.54	160.0	1.17	1.21	1.18
165.0	3.17	3.73	0.56	20.01	85.49	165.0	1.17	1.21	1.18
170.0	3.23	3.67	0.43	20.07	85.46	170.0	1.16	1.21	1.18
175.0	3.29	3.61	0.32	20.11	85.42	175.0	1.16	1.21	1.19
180.0	3.35	3.57	0.22	20.16	85.39	180.0	1.16	1.22	1.19
185.0	3.40	3.53	0.13	20.21	85.36	185.0	1.16	1.22	1.19
190.0	3.44	3.50	0.06	20.25	85.35	190.0	1.16	1.22	1.19
195.0	3.48	3.47	0.00	20.29	85.34	195.0	1.16	1.22	1.20
200.0	3.51	3.45	0.05	20.32	85.33	200.0	1.16	1.22	1.20
205.0	3.54	3.44	0.09	20.35	85.33	205.0	1.16	1.22	1.21
210.0	3.56	3.44	0.11	20.36	85.33	210.0	1.17	1.23	1.21
215.0	3.57	3.45	0.12	20.37	85.34	215.0	1.17	1.23	1.22
220.0	3.58	3.46	0.12	20.38	85.36	220.0	1.18	1.24	1.23
225.0	3.58	3.49	0.09	20.39	85.39	225.0	1.19	1.24	1.24
230.0	3.58	3.52	0.06	20.38	85.44	230.0	1.20	1.25	1.25
235.0	3.57	3.56	0.00	20.36	85.50	235.0	1.21	1.25	1.26
240.0	3.55	3.62	0.06	20.32	85.57	240.0	1.22	1.26	1.28
245.0	3.53	3.68	0.15	20.26	85.67	245.0	1.24	1.27	1.29
250.0	3.50	3.76	0.26	20.16	85.79	250.0	1.26	1.28	1.31
255.0	3.47	3.86	0.38	20.03	85.96	255.0	1.28	1.29	1.33
260.0	3.43	3.97	0.53	19.87	86.15	260.0	1.30	1.31	1.35
265.0	3.39	4.09	0.70	19.66	86.40	265.0	1.33	1.32	1.38
270.0	3.34	4.24	0.90	19.42	86.69	270.0	1.36	1.34	1.41
275.0	3.29	4.42	1.13	19.13	87.07	275.0	1.40	1.36	1.44
280.0	3.24	4.62	1.38	18.80	87.53	280.0	1.44	1.39	1.48
285.0	3.19	4.86	1.67	18.42	88.09	285.0	1.48	1.41	1.52
290.0	3.13	5.13	2.00	17.99	88.81	290.0	1.53	1.44	1.56
295.0	3.08	5.44	2.36	17.53	89.69	295.0	1.59	1.48	1.62
300.0	3.03	5.80	2.77	17.03	90.80	300.0	1.65	1.52	1.67

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



REV. X1

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: [www.minicircuits.com](http://www.minicircuits.com)

IF/RF MICROWAVE COMPONENTS

QCV-ED13423C/3

2/7/2011

Page 1 of 1