

# 3 Way-0° Power Splitter/Combiner

ZC3PD-E18673+

## Typical Performance Data

Data tested at 25DegC

FREQ. (GHz)	INSERTION LOSS <sup>1</sup> (dB)			AMP. UNBAL. <sup>2</sup> (dB)	ISOLATION (dB)			PHASE UNBAL. <sup>3</sup> (deg.)	VSWR (:1)			
	S-1	S-2	S-3		1-2	1-3	2-3		S	1	2	3
18	0.9	0.7	0.9	0.3	40	33	40	3	1.08	1.06	1.08	1.07
19	0.9	0.8	0.9	0.3	38	34	38	3	1.05	1.08	1.07	1.07
20	0.9	0.8	1.0	0.3	37	34	38	4	1.07	1.07	1.08	1.09
21	1.0	0.9	1.0	0.3	35	35	35	4	1.06	1.14	1.12	1.12
22	1.0	0.9	1.0	0.3	33	36	32	4	1.13	1.22	1.15	1.17
23	1.1	1.0	1.1	0.3	33	38	32	4	1.18	1.14	1.11	1.11
24	1.1	1.0	1.1	0.3	37	39	37	4	1.07	1.09	1.12	1.10
25	1.2	1.0	1.2	0.3	42	37	38	4	1.20	1.23	1.20	1.23
26	1.2	1.0	1.2	0.3	34	33	33	4	1.06	1.15	1.09	1.12
27	1.2	1.1	1.2	0.3	31	31	30	4	1.23	1.10	1.12	1.09
28	1.2	1.1	1.2	0.3	31	30	31	4	1.10	1.10	1.13	1.10
29	1.3	1.2	1.3	0.3	38	30	37	4	1.25	1.17	1.16	1.13
30	1.3	1.1	1.3	0.3	38	31	36	4	1.08	1.11	1.10	1.06
31	1.3	1.2	1.3	0.3	37	34	37	4	1.12	1.08	1.12	1.06
32	1.3	1.2	1.3	0.3	33	37	33	4	1.08	1.07	1.15	1.06
33	1.4	1.2	1.4	0.3	32	39	31	4	1.08	1.09	1.12	1.07
34	1.4	1.3	1.4	0.3	32	41	32	4	1.18	1.12	1.11	1.10
35	1.4	1.3	1.4	0.3	35	42	34	4	1.11	1.08	1.11	1.07
36	1.5	1.4	1.5	0.3	46	42	41	4	1.15	1.12	1.16	1.15
37	1.5	1.4	1.5	0.3	40	38	40	4	1.15	1.14	1.17	1.17
38	1.6	1.4	1.6	0.3	34	34	34	4	1.17	1.12	1.09	1.10
39	1.6	1.5	1.6	0.3	32	32	32	3	1.21	1.17	1.13	1.18
40	1.6	1.5	1.6	0.3	35	31	33	3	1.19	1.13	1.13	1.15
41	1.7	1.6	1.7	0.3	35	31	34	3	1.24	1.16	1.20	1.16
42	1.7	1.5	1.7	0.3	33	32	33	3	1.13	1.14	1.11	1.16
43	1.8	1.6	1.7	0.3	35	36	35	3	1.21	1.16	1.15	1.17
44	1.8	1.5	1.7	0.4	38	42	38	3	1.08	1.12	1.09	1.11
45	1.8	1.6	1.7	0.4	38	46	39	3	1.11	1.12	1.09	1.12
46	1.8	1.6	1.8	0.4	40	46	41	3	1.04	1.09	1.13	1.12
47	1.9	1.6	1.8	0.4	39	47	40	4	1.07	1.11	1.17	1.10
48	1.9	1.6	1.9	0.4	41	49	40	4	1.07	1.09	1.10	1.08
49	1.9	1.7	1.9	0.4	37	44	39	4	1.12	1.10	1.14	1.15
50	2.0	1.7	2.0	0.4	37	40	36	5	1.09	1.06	1.11	1.10
51	2.0	1.8	2.0	0.4	37	37	34	5	1.16	1.09	1.09	1.11
52	2.1	1.8	2.1	0.4	35	34	34	5	1.12	1.07	1.08	1.08
53	2.1	1.9	2.1	0.4	38	33	35	6	1.21	1.10	1.16	1.11
54	2.1	1.9	2.2	0.4	35	34	36	6	1.12	1.05	1.11	1.08
55	2.2	1.9	2.2	0.4	35	35	35	7	1.19	1.08	1.07	1.14
56	2.2	1.9	2.2	0.4	37	39	36	8	1.07	1.05	1.08	1.10
57	2.2	2.0	2.3	0.4	37	41	38	8	1.13	1.09	1.14	1.08
58	2.3	2.0	2.3	0.4	40	45	40	9	1.05	1.08	1.10	1.07
59	2.3	2.0	2.3	0.4	39	45	41	10	1.06	1.07	1.10	1.10
60	2.4	2.1	2.4	0.4	38	45	41	11	1.05	1.04	1.09	1.06
61	2.4	2.1	2.4	0.5	41	46	41	12	1.06	1.07	1.14	1.08
62	2.5	2.1	2.4	0.5	38	48	39	13	1.07	1.07	1.13	1.10
63	2.5	2.1	2.4	0.5	38	46	38	14	1.07	1.04	1.12	1.08
64	2.6	2.2	2.5	0.5	38	42	38	15	1.07	1.08	1.10	1.11
65	2.6	2.2	2.5	0.5	40	40	41	16	1.14	1.14	1.17	1.16
66	2.6	2.2	2.5	0.5	45	41	39	18	1.06	1.07	1.12	1.10
67	2.6	2.2	2.6	0.6	42	44	39	19	1.09	1.08	1.10	1.08

1. Insertion loss is loss above theoretical loss (4.8dB)

2. Amplitude unbalance is average unbalance between any ports

3. Phase unbalance is average unbalance between any ports

