

# 6 Way-0° Power Splitter/Combiner

# ZFSC-6-1-75+

## 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-3	S-5		1-2	1-3	1-6			S	1	3
1.0	8.28	8.26	8.31	0.05	32.54	31.31	39.43	0.66	1.0	1.20	1.05	1.05
1.9	8.21	8.20	8.20	0.01	32.27	31.46	44.06	0.46	1.9	1.20	1.03	1.03
2.8	8.18	8.16	8.19	0.03	31.98	31.43	47.39	0.32	2.8	1.19	1.03	1.03
3.7	8.16	8.14	8.17	0.04	31.86	31.39	50.04	0.23	3.7	1.19	1.03	1.03
4.6	8.16	8.14	8.15	0.04	31.79	31.32	52.18	0.23	4.6	1.19	1.03	1.03
5.5	8.15	8.14	8.15	0.03	31.77	31.40	54.26	0.15	5.5	1.18	1.03	1.03
6.4	8.16	8.14	8.16	0.04	31.77	31.42	56.60	0.13	6.4	1.18	1.03	1.03
7.3	8.16	8.14	8.15	0.03	31.78	31.46	58.69	0.10	7.3	1.18	1.04	1.04
8.2	8.16	8.15	8.16	0.03	31.79	31.50	60.29	0.09	8.2	1.18	1.04	1.04
9.1	8.16	8.15	8.15	0.04	31.79	31.51	62.17	0.10	9.1	1.17	1.04	1.04
10.0	8.16	8.17	8.16	0.04	31.82	31.55	64.05	0.13	10.0	1.17	1.05	1.04
18.0	8.19	8.19	8.18	0.03	31.87	31.73	68.17	0.21	18.0	1.15	1.07	1.07
26.0	8.22	8.22	8.22	0.02	32.00	31.81	61.57	0.30	26.0	1.11	1.07	1.07
34.0	8.26	8.24	8.24	0.02	31.99	31.83	59.48	0.30	34.0	1.06	1.08	1.08
42.0	8.25	8.26	8.25	0.02	31.92	31.77	58.01	0.41	42.0	1.03	1.09	1.09
50.0	8.27	8.26	8.26	0.03	31.80	31.65	56.61	0.42	50.0	1.03	1.09	1.09
58.0	8.27	8.27	8.26	0.04	31.70	31.56	55.79	0.61	58.0	1.05	1.09	1.09
66.0	8.27	8.27	8.26	0.04	31.55	31.39	54.67	0.67	66.0	1.07	1.09	1.08
74.0	8.29	8.30	8.27	0.03	31.35	31.22	53.92	0.78	74.0	1.09	1.08	1.07
82.0	8.31	8.29	8.29	0.03	31.16	31.02	53.09	0.89	82.0	1.09	1.06	1.06
90.0	8.32	8.32	8.30	0.03	30.91	30.81	52.78	0.85	90.0	1.09	1.05	1.04
91.0	8.32	8.33	8.31	0.02	30.93	30.79	52.30	0.88	91.0	1.09	1.04	1.04
92.0	8.32	8.32	8.30	0.03	30.85	30.76	52.11	0.87	92.0	1.09	1.04	1.04
93.0	8.33	8.33	8.31	0.02	30.82	30.74	52.08	0.84	93.0	1.09	1.04	1.04
94.0	8.33	8.34	8.31	0.04	30.83	30.69	51.61	0.82	94.0	1.09	1.04	1.04
95.0	8.32	8.33	8.30	0.03	30.73	30.63	52.14	0.88	95.0	1.09	1.04	1.03
96.0	8.33	8.33	8.31	0.03	30.72	30.63	51.39	0.89	96.0	1.09	1.03	1.03
97.0	8.33	8.34	8.31	0.04	30.66	30.60	51.55	0.91	97.0	1.09	1.03	1.03
98.0	8.33	8.35	8.31	0.05	30.67	30.58	51.50	0.91	98.0	1.08	1.03	1.03
99.0	8.33	8.36	8.31	0.05	30.59	30.50	51.19	0.93	99.0	1.08	1.03	1.02
100.0	8.33	8.34	8.31	0.04	30.58	30.49	51.17	0.92	100.0	1.08	1.02	1.02
110.0	8.34	8.35	8.31	0.04	30.25	30.13	50.51	1.08	110.0	1.06	1.01	1.01
120.0	8.36	8.37	8.33	0.04	29.84	29.79	50.07	1.19	120.0	1.04	1.03	1.03
130.0	8.38	8.39	8.35	0.05	29.45	29.45	48.83	1.24	130.0	1.02	1.05	1.05
140.0	8.39	8.41	8.35	0.07	29.08	29.09	47.61	1.31	140.0	1.02	1.06	1.07
150.0	8.41	8.43	8.36	0.07	28.66	28.71	46.71	1.46	150.0	1.05	1.08	1.08
160.0	8.42	8.45	8.37	0.09	28.28	28.36	45.83	1.55	160.0	1.07	1.09	1.09
170.0	8.43	8.47	8.38	0.09	27.90	28.02	44.80	1.70	170.0	1.09	1.09	1.09
180.0	8.46	8.50	8.39	0.11	27.50	27.65	43.72	1.84	180.0	1.10	1.08	1.08
190.0	8.46	8.50	8.38	0.12	27.13	27.29	43.07	1.95	190.0	1.10	1.07	1.07
200.0	8.47	8.51	8.38	0.13	26.75	26.94	42.04	2.08	200.0	1.09	1.06	1.06

<sup>1</sup> Total Loss = Insertion Loss+ 7.8dB Splitter Loss

