

# 4 Way-0° Power Splitter/Combiner

# ZFSC-4-175W+

## 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	S-3	S-4		1-2	1-3	3-4			S	1	2	3	4
5.0	6.50	6.50	6.50	6.50	0.01	30.86	34.90	29.99	0.08	5.0	1.05	1.25	1.25	1.25	1.25
9.0	6.48	6.48	6.47	6.47	0.01	35.66	36.80	35.11	0.07	9.0	1.02	1.23	1.24	1.24	1.23
13.0	6.47	6.47	6.47	6.47	0.01	38.75	37.41	38.85	0.09	13.0	1.01	1.23	1.24	1.24	1.24
17.0	6.48	6.48	6.47	6.47	0.01	40.77	37.53	41.68	0.06	17.0	1.00	1.24	1.26	1.25	1.25
21.0	6.48	6.48	6.48	6.48	0.01	42.04	37.63	43.82	0.03	21.0	1.01	1.25	1.28	1.27	1.27
25.0	6.49	6.49	6.48	6.47	0.01	42.58	37.55	45.21	0.08	25.0	1.02	1.26	1.30	1.29	1.29
30.0	6.49	6.50	6.48	6.48	0.02	43.05	37.46	45.80	0.03	30.0	1.02	1.27	1.31	1.31	1.31
35.0	6.50	6.50	6.50	6.48	0.02	42.99	37.29	45.79	0.03	35.0	1.03	1.28	1.33	1.32	1.32
40.0	6.50	6.50	6.49	6.49	0.01	42.87	37.19	45.44	0.12	40.0	1.03	1.29	1.34	1.33	1.33
45.0	6.51	6.50	6.50	6.50	0.01	42.56	36.95	44.52	0.08	45.0	1.04	1.30	1.35	1.34	1.34
50.0	6.51	6.50	6.50	6.50	0.02	42.15	36.85	44.00	0.08	50.0	1.04	1.31	1.36	1.36	1.35
80.0	6.52	6.52	6.52	6.53	0.01	40.44	36.18	41.49	0.09	80.0	1.07	1.36	1.38	1.39	1.39
110.0	6.56	6.55	6.55	6.55	0.01	38.96	35.85	39.79	0.09	110.0	1.09	1.41	1.39	1.41	1.41
140.0	6.57	6.56	6.55	6.55	0.02	37.69	35.57	38.53	0.06	140.0	1.12	1.43	1.39	1.40	1.41
170.0	6.59	6.59	6.57	6.57	0.02	36.72	35.38	37.50	0.18	170.0	1.15	1.44	1.39	1.40	1.40
200.0	6.59	6.58	6.57	6.58	0.02	35.94	35.13	36.69	0.16	200.0	1.17	1.43	1.38	1.39	1.40
230.0	6.63	6.63	6.61	6.62	0.02	35.31	35.12	36.13	0.23	230.0	1.20	1.43	1.37	1.39	1.39
260.0	6.62	6.62	6.59	6.60	0.02	34.71	35.04	35.44	0.16	260.0	1.23	1.42	1.37	1.39	1.38
290.0	6.62	6.60	6.61	6.60	0.02	34.18	35.08	34.85	0.29	290.0	1.26	1.41	1.36	1.38	1.38
320.0	6.69	6.67	6.66	6.67	0.03	33.69	35.25	34.33	0.28	320.0	1.28	1.39	1.35	1.37	1.37
350.0	6.64	6.63	6.62	6.63	0.02	33.19	35.41	33.65	0.36	350.0	1.29	1.37	1.33	1.37	1.35
380.0	6.69	6.68	6.66	6.67	0.03	32.73	35.69	33.05	0.29	380.0	1.31	1.36	1.33	1.36	1.35
410.0	6.71	6.68	6.67	6.68	0.03	32.20	36.00	32.33	0.39	410.0	1.34	1.35	1.32	1.34	1.35
440.0	6.72	6.69	6.67	6.68	0.05	31.61	36.45	31.58	0.41	440.0	1.33	1.34	1.31	1.33	1.34
470.0	6.74	6.72	6.70	6.70	0.04	30.98	36.89	30.72	0.37	470.0	1.30	1.32	1.28	1.32	1.32
500.0	6.76	6.72	6.71	6.72	0.05	30.34	37.40	29.92	0.45	500.0	1.30	1.30	1.26	1.31	1.31
535.0	6.76	6.73	6.72	6.73	0.05	29.53	37.93	29.00	0.50	535.0	1.30	1.29	1.26	1.29	1.31
570.0	6.79	6.75	6.74	6.74	0.05	28.79	38.31	28.13	0.42	570.0	1.27	1.28	1.25	1.28	1.30
605.0	6.78	6.76	6.75	6.74	0.04	28.03	38.33	27.29	0.51	605.0	1.26	1.27	1.24	1.28	1.30
640.0	6.81	6.78	6.76	6.77	0.05	27.42	37.79	26.56	0.57	640.0	1.26	1.27	1.26	1.29	1.31
675.0	6.84	6.81	6.78	6.79	0.06	26.84	36.94	25.92	0.69	675.0	1.21	1.28	1.27	1.28	1.30
710.0	6.87	6.83	6.82	6.82	0.06	26.38	35.74	25.41	0.64	710.0	1.17	1.28	1.26	1.28	1.28
745.0	6.90	6.87	6.86	6.85	0.05	26.00	34.54	24.96	0.70	745.0	1.17	1.28	1.28	1.30	1.29
780.0	6.94	6.89	6.88	6.88	0.06	25.82	33.33	24.74	0.66	780.0	1.11	1.30	1.31	1.31	1.30
815.0	7.00	6.95	6.94	6.93	0.07	25.73	32.14	24.55	0.76	815.0	1.06	1.32	1.31	1.30	1.31
850.0	7.03	6.98	6.98	6.96	0.07	25.76	31.10	24.52	0.91	850.0	1.10	1.35	1.31	1.31	1.31
880.0	7.09	7.05	7.04	7.03	0.07	26.01	30.42	24.69	0.92	880.0	1.10	1.37	1.33	1.34	1.34
910.0	7.12	7.09	7.07	7.06	0.06	26.28	29.65	24.81	0.94	910.0	1.14	1.40	1.35	1.35	1.37
940.0	7.19	7.14	7.14	7.11	0.08	26.78	29.06	25.14	1.03	940.0	1.21	1.43	1.35	1.34	1.38
970.0	7.23	7.19	7.19	7.15	0.08	27.41	28.54	25.53	1.12	970.0	1.24	1.45	1.34	1.36	1.38
1000.0	7.29	7.25	7.24	7.21	0.08	28.14	28.09	25.90	1.10	1000.0	1.23	1.46	1.36	1.39	1.40

<sup>1</sup> Total Loss = Insertion Loss+ 6dB Splitter Loss

