

4 Way-0° Power Splitter/Combiner with Coupler

ZFSCDC4-ED13203/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹				AMP. UNBAL. (dB)	ISOLATION			PHASE UNBAL. (deg.)	COUPLING				FREQ. (MHz)	VSWR					
	(dB)					(dB)				(dB)					(:1)					
	J5-J1	J5-J2	J5-J3	J5-J4		J1-J2	J2-J3	J3-J4		J6-J1	J6-J2	J6-J3	J6-J4		J5	J1	J2	J3	J4	J6
5.0	7.15	7.15	7.15	7.15	0.00	53.09	27.41	54.53	0.10	20.14	20.15	20.15	20.15	5.0	1.19	1.12	1.12	1.13	1.13	1.09
10.0	7.03	7.03	7.02	7.03	0.00	45.99	27.99	46.67	0.06	20.05	20.06	20.05	20.05	10.0	1.13	1.08	1.07	1.08	1.08	1.06
20.0	7.00	7.01	7.00	7.00	0.01	41.34	28.24	41.94	0.08	20.02	20.04	20.03	20.03	20.0	1.09	1.05	1.05	1.05	1.05	1.04
30.0	7.01	7.02	7.01	7.01	0.01	38.80	28.31	39.31	0.07	20.03	20.05	20.04	20.03	30.0	1.09	1.05	1.05	1.05	1.05	1.03
40.0	7.03	7.04	7.03	7.03	0.01	36.99	28.34	37.38	0.09	20.04	20.06	20.05	20.05	40.0	1.09	1.05	1.05	1.05	1.05	1.03
50.0	7.05	7.05	7.05	7.05	0.00	35.53	28.35	35.85	0.13	20.06	20.07	20.07	20.06	50.0	1.08	1.05	1.05	1.05	1.05	1.03
60.0	7.07	7.07	7.07	7.07	0.01	34.35	28.37	34.60	0.16	20.08	20.10	20.09	20.09	60.0	1.08	1.05	1.05	1.05	1.05	1.03
70.0	7.09	7.09	7.09	7.09	0.01	33.35	28.38	33.57	0.17	20.11	20.12	20.11	20.11	70.0	1.08	1.05	1.05	1.05	1.05	1.03
80.0	7.11	7.11	7.11	7.11	0.01	32.49	28.38	32.67	0.17	20.13	20.14	20.14	20.13	80.0	1.08	1.05	1.05	1.05	1.05	1.03
90.0	7.12	7.12	7.12	7.12	0.00	31.72	28.36	31.87	0.17	20.15	20.16	20.15	20.15	90.0	1.09	1.05	1.05	1.05	1.05	1.04
100.0	7.13	7.14	7.13	7.13	0.00	31.03	28.32	31.16	0.17	20.16	20.17	20.17	20.16	100.0	1.09	1.05	1.06	1.05	1.05	1.04
110.0	7.14	7.15	7.15	7.15	0.00	30.40	28.30	30.51	0.18	20.18	20.19	20.19	20.17	110.0	1.09	1.06	1.06	1.06	1.05	1.04
120.0	7.16	7.16	7.16	7.17	0.01	29.83	28.29	29.93	0.20	20.20	20.21	20.21	20.20	120.0	1.09	1.06	1.06	1.06	1.05	1.04
130.0	7.18	7.18	7.18	7.18	0.00	29.36	28.32	29.43	0.21	20.22	20.23	20.23	20.22	130.0	1.09	1.06	1.06	1.06	1.05	1.05
140.0	7.18	7.19	7.20	7.20	0.01	28.95	28.35	28.99	0.23	20.23	20.25	20.26	20.24	140.0	1.09	1.06	1.06	1.06	1.05	1.05
150.0	7.20	7.21	7.21	7.21	0.01	28.60	28.39	28.63	0.26	20.26	20.27	20.28	20.26	150.0	1.09	1.06	1.06	1.06	1.05	1.05
160.0	7.22	7.22	7.23	7.22	0.01	28.30	28.43	28.31	0.26	20.28	20.29	20.30	20.28	160.0	1.09	1.06	1.06	1.06	1.05	1.05
170.0	7.23	7.24	7.24	7.24	0.01	28.03	28.46	28.02	0.28	20.30	20.31	20.32	20.29	170.0	1.09	1.06	1.06	1.06	1.05	1.06
180.0	7.24	7.24	7.25	7.24	0.01	27.78	28.49	27.74	0.26	20.31	20.32	20.33	20.30	180.0	1.09	1.06	1.06	1.06	1.06	1.06
200.0	7.25	7.26	7.27	7.26	0.02	27.35	28.60	27.28	0.25	20.34	20.35	20.37	20.33	200.0	1.09	1.06	1.07	1.06	1.06	1.07
250.0	7.30	7.30	7.31	7.31	0.01	26.98	29.36	26.75	0.35	20.43	20.43	20.45	20.41	250.0	1.08	1.06	1.06	1.06	1.06	1.08
300.0	7.33	7.32	7.35	7.35	0.03	27.19	30.60	26.77	0.40	20.49	20.49	20.53	20.50	300.0	1.06	1.05	1.05	1.06	1.07	1.10
350.0	7.35	7.34	7.36	7.35	0.02	27.99	32.66	27.25	0.39	20.57	20.56	20.59	20.55	350.0	1.02	1.03	1.04	1.05	1.06	1.12
400.0	7.39	7.38	7.40	7.39	0.03	29.27	35.44	28.15	0.50	20.67	20.65	20.69	20.66	400.0	1.03	1.02	1.02	1.04	1.05	1.14
450.0	7.42	7.40	7.44	7.43	0.04	30.50	36.83	29.07	0.43	20.77	20.75	20.79	20.75	450.0	1.09	1.02	1.01	1.02	1.04	1.17
500.0	7.51	7.47	7.50	7.49	0.03	31.24	34.15	29.87	0.48	20.93	20.91	20.92	20.87	500.0	1.16	1.04	1.03	1.02	1.02	1.20
550.0	7.59	7.55	7.60	7.59	0.05	30.84	31.07	30.09	0.59	21.09	21.07	21.09	21.06	550.0	1.23	1.06	1.06	1.04	1.02	1.22
600.0	7.70	7.65	7.68	7.67	0.05	29.73	28.78	29.66	0.55	21.28	21.26	21.25	21.20	600.0	1.31	1.09	1.09	1.05	1.03	1.25

¹Total Loss = Insertion Loss + 6dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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