

4 Way-0° Power Splitter/Combiner

ZC4SC-ED12980/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹				AMP. UNBAL. (dB)	ISOLATION			PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR				
	S-1	S-2	S-3	S-4		1-2	1-3	3-4			S	1	2	3	4
0.5	6.91	6.90	6.92	6.91	0.02	21.68	35.13	21.31	0.03	0.5	1.41	1.64	1.64	1.66	1.65
0.7	6.80	6.79	6.80	6.79	0.02	22.83	34.73	22.46	0.04	0.7	1.32	1.49	1.49	1.50	1.50
0.9	6.72	6.72	6.73	6.72	0.01	23.68	34.47	23.33	0.05	0.9	1.27	1.41	1.41	1.42	1.41
1.0	6.69	6.69	6.70	6.69	0.01	24.06	34.28	23.71	0.03	1.0	1.25	1.38	1.38	1.39	1.38
5.0	6.42	6.42	6.42	6.42	0.01	30.51	33.24	30.20	0.00	5.0	1.10	1.11	1.11	1.11	1.11
10.0	6.39	6.39	6.39	6.39	0.01	32.68	33.02	32.42	0.03	10.0	1.08	1.06	1.06	1.06	1.06
50.0	6.42	6.42	6.42	6.41	0.01	32.95	32.98	32.89	0.15	50.0	1.06	1.02	1.02	1.02	1.02
100.0	6.46	6.46	6.47	6.46	0.01	32.34	32.58	32.33	0.29	100.0	1.06	1.03	1.02	1.03	1.02
150.0	6.50	6.50	6.51	6.50	0.02	31.73	31.98	31.76	0.44	150.0	1.06	1.03	1.03	1.03	1.02
200.0	6.53	6.54	6.55	6.53	0.02	31.22	31.30	31.27	0.58	200.0	1.05	1.04	1.03	1.03	1.02
250.0	6.57	6.57	6.58	6.57	0.02	30.93	30.77	30.94	0.73	250.0	1.04	1.04	1.03	1.03	1.01
300.0	6.59	6.60	6.62	6.60	0.02	30.74	30.34	30.72	0.88	300.0	1.03	1.04	1.03	1.03	1.01
350.0	6.62	6.63	6.65	6.63	0.02	30.81	30.13	30.67	1.03	350.0	1.03	1.03	1.02	1.02	1.01
360.0	6.63	6.64	6.65	6.64	0.02	30.82	30.11	30.65	1.07	360.0	1.02	1.03	1.02	1.02	1.01
370.0	6.63	6.64	6.66	6.64	0.02	30.83	30.10	30.62	1.10	370.0	1.02	1.03	1.02	1.02	1.01
380.0	6.64	6.65	6.67	6.65	0.03	30.86	30.08	30.60	1.13	380.0	1.03	1.03	1.02	1.02	1.01
390.0	6.65	6.66	6.67	6.65	0.03	30.87	30.07	30.58	1.15	390.0	1.03	1.03	1.01	1.02	1.01
400.0	6.65	6.66	6.68	6.66	0.03	30.89	30.07	30.56	1.20	400.0	1.03	1.03	1.01	1.01	1.01
410.0	6.66	6.67	6.69	6.67	0.03	30.91	30.09	30.52	1.23	410.0	1.04	1.03	1.01	1.01	1.01
420.0	6.66	6.67	6.69	6.67	0.03	30.91	30.11	30.48	1.26	420.0	1.04	1.03	1.01	1.01	1.01
430.0	6.67	6.68	6.70	6.68	0.03	30.93	30.14	30.43	1.29	430.0	1.05	1.03	1.01	1.01	1.01
440.0	6.67	6.68	6.71	6.69	0.03	30.92	30.17	30.37	1.33	440.0	1.05	1.03	1.00	1.01	1.02
450.0	6.68	6.69	6.71	6.69	0.03	30.90	30.22	30.29	1.36	450.0	1.06	1.03	1.00	1.01	1.02
460.0	6.69	6.70	6.72	6.70	0.04	30.84	30.27	30.18	1.39	460.0	1.07	1.03	1.00	1.01	1.02
470.0	6.69	6.70	6.73	6.71	0.04	30.77	30.32	30.06	1.42	470.0	1.08	1.04	1.01	1.01	1.02
480.0	6.70	6.71	6.74	6.71	0.04	30.68	30.38	29.92	1.45	480.0	1.08	1.04	1.01	1.02	1.03
490.0	6.71	6.72	6.74	6.72	0.04	30.59	30.44	29.76	1.49	490.0	1.09	1.04	1.01	1.02	1.03
500.0	6.71	6.73	6.75	6.73	0.04	30.49	30.48	29.61	1.53	500.0	1.10	1.05	1.01	1.02	1.03
510.0	6.72	6.73	6.76	6.74	0.04	30.34	30.55	29.43	1.56	510.0	1.11	1.05	1.02	1.03	1.04
520.0	6.73	6.74	6.77	6.75	0.04	30.20	30.59	29.24	1.59	520.0	1.12	1.05	1.02	1.03	1.04
530.0	6.74	6.75	6.78	6.76	0.04	30.02	30.62	29.04	1.62	530.0	1.13	1.06	1.02	1.03	1.04
540.0	6.75	6.76	6.79	6.77	0.05	29.83	30.66	28.80	1.66	540.0	1.14	1.06	1.03	1.04	1.04
550.0	6.76	6.77	6.80	6.78	0.05	29.60	30.70	28.56	1.70	550.0	1.15	1.07	1.03	1.04	1.05
600.0	6.81	6.83	6.87	6.84	0.06	28.28	30.56	27.21	1.88	600.0	1.22	1.10	1.06	1.07	1.07
650.0	6.89	6.91	6.96	6.92	0.07	26.87	29.60	25.84	2.05	650.0	1.30	1.14	1.08	1.10	1.09
700.0	7.00	7.03	7.07	7.03	0.08	25.52	27.84	24.58	2.24	700.0	1.40	1.18	1.12	1.14	1.12
750.0	7.14	7.18	7.23	7.18	0.09	24.43	25.65	23.56	2.42	750.0	1.51	1.22	1.15	1.17	1.15
800.0	7.32	7.37	7.43	7.37	0.11	23.67	23.40	22.86	2.60	800.0	1.64	1.26	1.18	1.21	1.17

¹Total Loss = Insertion Loss + 6dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS



REV. X2

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