

8 Way-0° Power Splitter/Combiner

ZBSC-ED13009/2

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)							AMP. UNBAL. (dB)	ISOLATION (dB)				PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2	S-3	S-4	S-5	S-6	S-8		1-2	1-8	2-3	3-4			S	1	8
10.0	9.53	9.53	9.53	9.53	9.54	9.54	9.54	0.02	42.90	58.21	28.34	46.39	0.08	10.0	1.06	1.08	1.07
30.0	9.56	9.56	9.56	9.56	9.56	9.56	9.56	0.01	43.32	59.24	28.43	43.99	0.17	30.0	1.04	1.04	1.04
50.0	9.60	9.59	9.59	9.59	9.59	9.60	9.59	0.01	41.92	54.54	28.37	42.07	0.22	50.0	1.05	1.04	1.04
60.0	9.62	9.61	9.61	9.61	9.61	9.62	9.61	0.01	41.26	53.25	28.34	41.23	0.26	60.0	1.05	1.04	1.04
80.0	9.65	9.64	9.65	9.65	9.64	9.65	9.64	0.01	39.93	51.06	28.27	39.81	0.33	80.0	1.05	1.04	1.04
100.0	9.68	9.67	9.68	9.68	9.67	9.68	9.67	0.01	38.77	49.55	28.17	38.54	0.41	100.0	1.06	1.04	1.04
120.0	9.71	9.70	9.70	9.70	9.70	9.71	9.70	0.01	37.79	48.42	28.07	37.52	0.48	120.0	1.06	1.04	1.04
140.0	9.74	9.73	9.73	9.73	9.73	9.73	9.72	0.01	36.95	47.52	27.94	36.66	0.56	140.0	1.06	1.04	1.04
160.0	9.76	9.76	9.76	9.76	9.76	9.76	9.75	0.01	36.25	46.67	27.80	35.94	0.63	160.0	1.07	1.04	1.04
180.0	9.79	9.78	9.79	9.79	9.78	9.79	9.77	0.02	35.64	45.89	27.63	35.30	0.72	180.0	1.07	1.03	1.03
200.0	9.82	9.81	9.81	9.81	9.81	9.81	9.80	0.02	35.13	45.42	27.45	34.82	0.80	200.0	1.08	1.03	1.03
220.0	9.85	9.84	9.84	9.84	9.84	9.84	9.83	0.02	34.72	44.85	27.27	34.41	0.87	220.0	1.08	1.03	1.03
240.0	9.87	9.86	9.87	9.87	9.86	9.86	9.85	0.03	34.33	44.45	27.07	34.07	0.97	240.0	1.09	1.03	1.03
250.0	9.89	9.88	9.88	9.88	9.87	9.88	9.86	0.03	34.17	44.25	26.98	33.92	1.01	250.0	1.09	1.03	1.03
300.0	9.96	9.95	9.96	9.95	9.94	9.95	9.92	0.04	33.52	43.40	26.48	33.33	1.22	300.0	1.11	1.03	1.03
350.0	10.03	10.03	10.03	10.02	10.00	10.02	9.99	0.04	32.98	42.83	25.98	32.93	1.46	350.0	1.12	1.03	1.03
400.0	10.12	10.12	10.12	10.11	10.08	10.10	10.07	0.06	32.42	42.52	25.51	32.62	1.68	400.0	1.14	1.03	1.03
450.0	10.21	10.21	10.21	10.20	10.16	10.18	10.15	0.07	31.68	42.50	25.16	32.23	1.93	450.0	1.16	1.03	1.04
500.0	10.30	10.31	10.31	10.29	10.23	10.27	10.23	0.08	30.72	42.86	24.97	31.69	2.20	500.0	1.17	1.04	1.04
525.0	10.35	10.36	10.36	10.34	10.27	10.31	10.27	0.09	30.14	43.15	24.95	31.30	2.34	525.0	1.18	1.04	1.04
550.0	10.40	10.41	10.41	10.39	10.31	10.35	10.31	0.10	29.46	43.55	25.02	30.77	2.49	550.0	1.18	1.04	1.05
575.0	10.45	10.46	10.46	10.44	10.34	10.39	10.35	0.12	28.74	44.06	25.18	30.13	2.64	575.0	1.18	1.04	1.05
600.0	10.49	10.51	10.51	10.48	10.38	10.43	10.39	0.13	28.00	44.70	25.43	29.41	2.81	600.0	1.18	1.04	1.04
620.0	10.53	10.55	10.55	10.52	10.40	10.46	10.42	0.15	27.39	45.26	25.70	28.78	2.94	620.0	1.18	1.04	1.04
640.0	10.56	10.59	10.59	10.56	10.43	10.49	10.45	0.16	26.79	45.96	26.04	28.11	3.06	640.0	1.18	1.04	1.04
660.0	10.60	10.63	10.63	10.59	10.45	10.52	10.48	0.18	26.21	46.76	26.41	27.46	3.21	660.0	1.17	1.04	1.04
680.0	10.64	10.67	10.68	10.64	10.48	10.55	10.51	0.19	25.66	47.65	26.82	26.83	3.33	680.0	1.16	1.04	1.03
700.0	10.69	10.72	10.72	10.68	10.52	10.59	10.55	0.21	25.16	48.52	27.19	26.22	3.48	700.0	1.16	1.04	1.03
720.0	10.74	10.77	10.78	10.74	10.55	10.63	10.60	0.23	24.74	49.12	27.42	25.69	3.60	720.0	1.16	1.05	1.03
740.0	10.80	10.84	10.85	10.80	10.60	10.68	10.65	0.25	24.40	49.23	27.42	25.23	3.74	740.0	1.16	1.06	1.04
800.0	11.07	11.11	11.13	11.07	10.82	10.91	10.89	0.31	24.05	45.86	25.37	24.50	4.07	800.0	1.22	1.09	1.08

¹Total Loss = Insertion Loss + 9dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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