

8 Way-0° Power Splitter/Combiner

ZFSC-ED6960A/1

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-6	S-8		1-2	1-8	2-4	6-8			S	1	8
0.5	9.99	10.00	10.00	10.00	10.01	10.00	0.03	28.62	33.52	29.85	25.92	0.15	0.5	1.57	1.64	1.63
0.6	9.96	9.97	9.96	9.96	9.98	9.98	0.03	29.50	34.03	30.85	27.03	0.21	0.6	1.47	1.59	1.58
0.7	9.94	9.94	9.94	9.95	9.96	9.96	0.02	30.16	34.51	31.44	27.81	0.14	0.7	1.40	1.56	1.55
0.8	9.94	9.93	9.93	9.93	9.95	9.95	0.03	30.65	34.93	31.79	28.38	0.17	0.8	1.35	1.53	1.53
0.9	9.92	9.93	9.92	9.93	9.94	9.94	0.02	31.00	35.32	31.97	28.76	0.12	0.9	1.32	1.51	1.51
1.0	9.92	9.92	9.93	9.92	9.94	9.95	0.03	31.28	35.73	32.12	29.07	0.09	1.0	1.29	1.49	1.49
2.0	9.82	9.83	9.82	9.83	9.83	9.85	0.03	32.43	38.65	33.36	31.03	0.07	2.0	1.19	1.40	1.40
3.0	9.74	9.75	9.74	9.75	9.75	9.75	0.01	32.91	40.48	34.59	32.55	0.12	3.0	1.15	1.36	1.37
4.0	9.68	9.69	9.69	9.69	9.70	9.70	0.02	33.25	41.66	35.54	33.78	0.10	4.0	1.12	1.34	1.35
5.0	9.66	9.66	9.66	9.67	9.67	9.67	0.01	33.48	42.43	36.19	34.68	0.10	5.0	1.10	1.33	1.34
14.0	9.62	9.62	9.61	9.61	9.62	9.63	0.02	33.95	43.97	37.96	37.34	0.14	14.0	1.06	1.31	1.31
23.0	9.62	9.62	9.62	9.62	9.62	9.62	0.01	33.96	43.49	38.07	37.81	0.07	23.0	1.06	1.31	1.31
32.0	9.63	9.63	9.63	9.63	9.63	9.64	0.02	33.85	42.95	38.00	37.82	0.18	32.0	1.06	1.31	1.32
41.0	9.64	9.64	9.64	9.64	9.65	9.65	0.01	33.70	42.54	37.84	37.68	0.19	41.0	1.06	1.31	1.32
50.0	9.65	9.66	9.67	9.66	9.67	9.67	0.02	33.42	42.18	37.52	37.38	0.20	50.0	1.07	1.31	1.32
75.0	9.70	9.70	9.70	9.70	9.71	9.71	0.01	32.69	41.33	36.80	36.65	0.31	75.0	1.08	1.32	1.32
100.0	9.73	9.74	9.73	9.74	9.74	9.74	0.02	31.83	40.45	36.00	35.80	0.40	100.0	1.10	1.32	1.32
150.0	9.78	9.78	9.80	9.80	9.80	9.80	0.03	30.16	38.91	34.62	34.31	0.59	150.0	1.14	1.32	1.33
200.0	9.83	9.83	9.83	9.83	9.84	9.83	0.02	28.72	37.47	33.73	33.23	0.72	200.0	1.16	1.32	1.33
250.0	9.88	9.89	9.90	9.90	9.90	9.90	0.04	27.62	36.30	33.42	32.63	0.85	250.0	1.18	1.32	1.33
300.0	9.89	9.90	9.91	9.92	9.93	9.91	0.04	26.77	35.26	33.70	32.43	1.13	300.0	1.18	1.32	1.33
350.0	9.98	9.99	10.00	10.01	10.00	10.00	0.04	26.21	34.58	34.73	32.81	1.31	350.0	1.16	1.31	1.33
420.0	10.02	10.04	10.05	10.07	10.05	10.06	0.05	25.72	33.73	38.30	34.04	1.58	420.0	1.12	1.31	1.33
490.0	10.05	10.08	10.09	10.12	10.10	10.09	0.07	25.50	33.14	49.53	35.70	1.86	490.0	1.07	1.31	1.33
560.0	10.11	10.13	10.15	10.17	10.15	10.14	0.07	25.49	32.79	40.13	35.58	2.17	560.0	1.07	1.31	1.33
630.0	10.16	10.21	10.23	10.26	10.20	10.19	0.10	25.52	32.71	32.22	32.49	2.48	630.0	1.15	1.31	1.34
700.0	10.28	10.34	10.37	10.41	10.31	10.30	0.13	25.44	32.89	27.74	28.87	2.81	700.0	1.26	1.33	1.35
732.0	10.32	10.39	10.42	10.45	10.34	10.33	0.13	25.34	32.96	26.16	27.35	2.85	732.0	1.31	1.34	1.36
764.0	10.35	10.44	10.47	10.51	10.37	10.37	0.16	25.19	33.02	24.72	25.90	3.08	764.0	1.35	1.35	1.37
796.0	10.49	10.58	10.61	10.65	10.50	10.49	0.17	25.07	33.27	23.52	24.68	3.45	796.0	1.40	1.37	1.39
828.0	10.57	10.65	10.70	10.74	10.56	10.57	0.18	24.82	33.41	22.33	23.44	3.71	828.0	1.44	1.39	1.41
860.0	10.65	10.75	10.77	10.83	10.62	10.61	0.22	24.55	33.47	21.20	22.22	4.09	860.0	1.49	1.42	1.44
892.0	10.92	11.03	11.05	11.08	10.86	10.87	0.24	24.39	33.74	20.29	21.27	4.51	892.0	1.54	1.45	1.47
924.0	11.03	11.14	11.17	11.22	10.99	11.00	0.25	23.98	33.71	19.23	20.17	5.00	924.0	1.61	1.49	1.50
956.0	11.20	11.34	11.34	11.41	11.15	11.17	0.28	23.45	33.73	18.27	19.17	5.62	956.0	1.70	1.52	1.55
988.0	11.64	11.79	11.79	11.85	11.57	11.63	0.32	22.98	33.90	17.56	18.47	6.36	988.0	1.82	1.57	1.60
1020.0	11.91	12.05	12.07	12.11	11.87	11.91	0.28	22.11	33.83	16.67	17.63	7.23	1020.0	1.99	1.62	1.66

¹ Total Loss = Insertion Loss+ 9dB Splitter Loss



The Design Engineers Search Engine finds the model you need, instantly • For detailed performance specs & shopping online see

Mini-Circuits®

IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED • RoHS compliant
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661

REV. X2
ZFSC-ED6960A/1
100629
Page 1 of 1

