

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(dB)			(dB)			(dB)		
	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C
1.0	0.01	0.01	0.01	46.86	46.10	45.58	46.91	46.19	45.61
5.0	0.02	0.02	0.02	34.10	33.44	32.91	34.11	33.41	32.89
10.0	0.05	0.05	0.05	28.33	27.77	27.28	28.31	27.74	27.25
15.0	0.05	0.06	0.06	24.97	24.54	24.10	24.95	24.49	24.07
20.0	0.06	0.07	0.08	22.64	22.32	22.02	22.60	22.28	21.99
25.0	0.09	0.10	0.10	20.92	20.77	20.57	20.88	20.73	20.55
30.0	0.11	0.12	0.12	19.68	19.71	19.69	19.66	19.67	19.68
35.0	0.13	0.14	0.14	18.94	19.17	19.38	18.89	19.10	19.34
40.0	0.15	0.16	0.16	18.81	19.27	19.79	18.76	19.21	19.74
45.0	0.15	0.16	0.16	19.61	20.37	21.33	19.54	20.30	21.28
50.0	0.17	0.18	0.20	22.21	23.52	25.33	22.12	23.47	25.31
55.0	0.20	0.23	0.25	29.86	32.38	34.38	30.06	33.45	37.03
60.0	0.30	0.35	0.37	26.27	25.31	24.16	27.38	26.06	24.60
65.0	0.58	0.66	0.70	17.14	17.12	16.97	17.33	17.21	16.97
70.0	1.81	2.06	2.28	11.06	10.66	10.18	13.68	13.11	12.31
71.0	4.28	4.71	5.15	4.71	4.55	4.33	5.40	5.21	4.91
72.0	9.22	9.76	10.31	1.94	1.95	1.93	2.14	2.15	2.09
74.0	22.14	22.66	23.21	0.74	0.80	0.83	0.72	0.78	0.81
75.0	29.10	29.62	30.21	0.61	0.66	0.69	0.56	0.62	0.65
76.0	36.54	37.04	37.64	0.53	0.58	0.61	0.46	0.52	0.55
78.0	54.60	55.92	56.53	0.44	0.48	0.50	0.37	0.42	0.44
80.0	72.63	71.59	69.57	0.38	0.41	0.43	0.30	0.35	0.38
84.0	53.29	53.27	52.95	0.30	0.33	0.35	0.24	0.28	0.31
85.0	51.72	51.47	51.34	0.29	0.32	0.34	0.23	0.27	0.30
86.0	50.22	49.99	49.94	0.27	0.31	0.33	0.22	0.27	0.29
88.0	48.36	48.22	48.09	0.26	0.29	0.31	0.21	0.25	0.27
89.0	47.62	47.45	47.31	0.26	0.29	0.30	0.20	0.25	0.27
90.0	47.02	46.82	46.69	0.25	0.27	0.29	0.19	0.24	0.26
91.0	46.42	46.20	46.07	0.24	0.27	0.29	0.20	0.24	0.26
92.0	45.81	45.71	45.61	0.23	0.27	0.28	0.20	0.24	0.26
93.0	45.29	45.21	45.04	0.24	0.27	0.29	0.20	0.24	0.27
94.0	44.85	44.73	44.67	0.23	0.26	0.28	0.19	0.24	0.27
95.0	44.44	44.41	44.21	0.23	0.26	0.29	0.20	0.25	0.27
96.0	44.10	44.02	44.00	0.24	0.26	0.29	0.21	0.25	0.27
97.0	43.83	43.73	43.57	0.23	0.27	0.29	0.20	0.25	0.27
98.0	43.60	43.51	43.32	0.24	0.28	0.30	0.21	0.26	0.28
99.0	43.28	43.24	43.26	0.24	0.28	0.30	0.22	0.27	0.28
100.0	43.17	43.24	43.21	0.25	0.29	0.31	0.23	0.28	0.30
101.0	43.31	43.25	43.22	0.26	0.30	0.32	0.24	0.29	0.31
102.0	43.55	43.65	43.58	0.27	0.31	0.33	0.26	0.30	0.32
103.0	44.35	44.43	44.48	0.29	0.33	0.35	0.27	0.32	0.33
104.0	45.86	46.19	46.27	0.30	0.33	0.36	0.29	0.34	0.35
105.0	49.54	50.21	50.62	0.31	0.36	0.38	0.31	0.36	0.38
106.0	57.81	56.12	54.57	0.34	0.39	0.42	0.34	0.39	0.40
107.0	44.51	43.64	42.84	0.38	0.43	0.46	0.37	0.42	0.44
108.0	36.46	35.98	35.41	0.42	0.48	0.51	0.41	0.46	0.49
110.0	25.24	24.94	24.55	0.55	0.62	0.67	0.54	0.61	0.64
112.0	15.83	15.58	15.24	0.93	1.04	1.13	0.91	1.02	1.09
114.0	7.32	7.17	6.92	2.58	2.86	3.12	2.53	2.81	3.07
115.0	4.07	4.02	3.87	5.15	5.62	6.13	5.04	5.53	6.05
116.0	2.11	2.15	2.13	10.24	11.04	11.98	10.03	10.92	11.97
118.0	0.98	1.10	1.15	25.89	23.26	21.12	26.16	23.96	21.83
119.0	0.87	0.98	1.04	19.21	18.27	17.32	19.33	18.34	17.35
120.0	0.80	0.89	0.95	17.54	16.97	16.35	17.53	16.86	16.16
122.0	0.66	0.74	0.78	18.52	18.08	17.63	18.19	17.64	17.11
124.0	0.53	0.60	0.64	22.23	21.72	21.21	21.24	20.59	19.98
125.0	0.49	0.55	0.58	24.58	24.00	23.43	23.03	22.35	21.65
150.0	0.20	0.24	0.24	21.69	22.11	22.64	23.12	23.70	24.25
200.0	0.16	0.19	0.19	18.43	18.68	19.13	18.37	18.65	19.16
300.0	0.14	0.20	0.22	18.31	17.51	16.77	18.21	17.45	16.74
400.0	0.15	0.21	0.24	17.87	17.38	16.79	17.85	17.40	16.78
500.0	0.17	0.23	0.26	17.18	17.02	16.59	17.22	17.06	16.58
600.0	0.20	0.26	0.28	16.43	16.50	16.25	16.43	16.51	16.21
650.0	0.21	0.28	0.31	16.25	16.22	16.02	16.27	16.25	16.03
700.0	0.22	0.29	0.32	15.96	15.91	15.82	15.97	15.96	15.85
800.0	0.24	0.33	0.35	15.72	15.41	15.37	15.76	15.52	15.52
900.0	0.27	0.36	0.39	15.31	15.08	15.05	15.43	15.22	15.26
960.0	0.29	0.38	0.41	15.13	15.02	15.04	15.28	15.18	15.28
1000.0	0.30	0.39	0.42	15.08	15.09	15.13	15.25	15.29	15.37



Band Stop Filter

ZBSF-95+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY-1			FREQ. (MHz)	GROUP DELAY-2		
	(nsec)				(nsec)		
	@-40°C	@+25°C	@+85°C		@-40°C	@+25°C	@+85°C
1.0	5.24	5.15	5.24	125.0	26.65	26.40	26.11
1.5	5.25	5.16	5.21	126.0	24.39	24.20	23.95
2.0	5.23	5.15	5.21	127.0	22.50	22.34	22.13
2.5	5.22	5.16	5.22	128.0	20.87	20.73	20.57
3.0	5.23	5.19	5.22	129.0	19.45	19.32	19.17
3.5	5.22	5.21	5.22	130.0	18.19	18.07	17.93
4.0	5.23	5.23	5.22	131.0	17.03	16.94	16.80
4.5	5.24	5.24	5.23	132.0	16.01	15.91	15.79
5.0	5.25	5.26	5.24	133.0	15.07	14.99	14.87
6.0	5.28	5.24	5.26	134.0	14.23	14.16	14.06
7.0	5.26	5.23	5.26	135.0	13.46	13.41	13.31
8.0	5.30	5.27	5.26	136.0	12.78	12.71	12.62
9.0	5.31	5.30	5.31	137.0	12.16	12.10	12.01
10.0	5.36	5.36	5.33	138.0	11.57	11.51	11.44
11.0	5.36	5.37	5.34	139.0	11.05	10.99	10.91
12.0	5.39	5.38	5.37	140.0	10.55	10.50	10.44
13.0	5.44	5.43	5.41	141.0	10.09	10.05	9.99
14.0	5.48	5.48	5.46	142.0	9.70	9.65	9.59
15.0	5.52	5.50	5.49	143.0	9.30	9.27	9.21
16.0	5.60	5.57	5.55	144.0	8.95	8.91	8.84
17.0	5.64	5.64	5.61	145.0	8.60	8.57	8.51
18.0	5.71	5.70	5.67	146.0	8.30	8.24	8.20
19.0	5.76	5.76	5.75	147.0	8.00	7.97	7.91
20.0	5.84	5.83	5.82	148.0	7.71	7.67	7.64
21.0	5.91	5.90	5.90	149.0	7.46	7.42	7.38
22.0	6.04	6.02	6.00	150.0	7.20	7.17	7.12
23.0	6.12	6.11	6.08	151.0	6.98	6.95	6.91
24.0	6.22	6.21	6.19	152.0	6.76	6.73	6.69
25.0	6.31	6.30	6.28	153.0	6.54	6.52	6.48
26.0	6.45	6.44	6.42	154.0	6.34	6.30	6.27
27.0	6.56	6.55	6.54	155.0	6.16	6.12	6.09
28.0	6.69	6.68	6.66	156.0	5.99	5.95	5.92
29.0	6.82	6.81	6.79	157.0	5.80	5.79	5.75
30.0	6.98	6.96	6.94	158.0	5.65	5.62	5.58
31.0	7.12	7.13	7.11	159.0	5.50	5.47	5.44
32.0	7.31	7.29	7.28	160.0	5.34	5.31	5.28
33.0	7.47	7.46	7.45	170.0	4.17	4.16	4.12
34.0	7.66	7.66	7.66	180.0	3.39	3.38	3.36
35.0	7.87	7.86	7.86	190.0	2.86	2.85	2.84
36.0	8.09	8.09	8.08	200.0	2.46	2.45	2.43
37.0	8.30	8.29	8.29	300.0	1.15	1.11	1.09
38.0	8.56	8.56	8.56	400.0	0.85	0.84	0.81
39.0	8.82	8.83	8.84	500.0	0.76	0.75	0.73
40.0	9.12	9.12	9.13	600.0	0.70	0.68	0.67
41.0	9.41	9.43	9.45	700.0	0.70	0.68	0.66
42.0	9.75	9.76	9.77	800.0	0.70	0.68	0.65
45.0	10.92	10.94	10.97	900.0	0.72	0.70	0.68
50.0	13.65	13.69	13.72	960.0	0.74	0.73	0.71
60.0	25.74	25.84	25.95	1000.0	0.74	0.74	0.70