

## 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	104.99	101.24	94.10	0.00	0.00	0.00	0.01	0.00	0.00
5.0	100.63	99.55	96.84	0.00	0.01	0.00	0.01	0.01	0.01
9.0	94.89	107.66	100.94	0.00	0.01	0.01	0.01	0.01	0.00
13.0	94.09	96.47	97.51	0.00	0.01	0.01	0.01	0.01	0.02
17.0	80.25	87.47	83.78	0.01	0.01	0.02	0.02	0.01	0.01
21.0	82.29	86.46	88.41	0.01	0.02	0.02	0.01	0.02	0.02
25.0	89.65	87.22	81.57	0.02	0.03	0.03	0.03	0.03	0.04
29.0	83.09	76.33	82.73	0.04	0.04	0.05	0.03	0.04	0.05
33.0	70.03	70.54	69.39	0.05	0.06	0.07	0.06	0.07	0.08
37.0	59.61	58.91	58.74	0.08	0.10	0.10	0.08	0.10	0.11
41.0	51.30	51.17	50.82	0.11	0.13	0.14	0.11	0.13	0.15
45.0	44.20	43.93	43.71	0.15	0.18	0.20	0.15	0.19	0.21
49.0	37.55	37.27	37.06	0.21	0.25	0.27	0.21	0.25	0.28
53.0	31.25	30.96	30.75	0.29	0.34	0.38	0.30	0.36	0.39
57.0	25.12	24.85	24.62	0.43	0.50	0.55	0.44	0.52	0.58
61.0	19.00	18.78	18.56	0.67	0.78	0.86	0.70	0.82	0.90
65.0	13.02	12.86	12.70	1.24	1.43	1.57	1.29	1.48	1.64
69.0	7.45	7.43	7.36	2.85	3.18	3.44	2.92	3.26	3.54
73.0	3.45	3.59	3.65	7.42	7.93	8.37	7.57	8.12	8.58
80.0	1.38	1.55	1.66	22.01	21.27	20.88	23.48	22.67	22.15
90.0	0.96	1.09	1.17	17.39	17.16	17.15	17.67	17.48	17.51
100.0	0.70	0.81	0.87	25.07	24.01	23.53	27.82	26.55	25.99
110.0	0.57	0.65	0.70	25.80	26.22	26.63	28.42	30.16	31.79
120.0	0.50	0.57	0.61	21.81	22.21	22.75	22.20	22.74	23.44
130.0	0.45	0.51	0.55	20.94	20.97	21.32	20.93	20.99	21.40
140.0	0.39	0.45	0.49	21.55	21.15	21.29	21.32	20.98	21.12
150.0	0.35	0.41	0.44	23.25	22.24	22.07	22.71	21.83	21.74
200.0	0.23	0.28	0.31	40.46	41.10	34.13	31.78	32.45	30.66
250.0	0.19	0.24	0.26	26.90	27.64	29.89	26.62	27.25	29.34
300.0	0.16	0.21	0.23	24.68	23.46	23.85	24.80	23.47	23.84
350.0	0.16	0.21	0.23	23.45	21.73	21.07	23.54	21.75	21.09
400.0	0.15	0.21	0.24	22.50	20.78	19.64	22.51	20.75	19.62
450.0	0.15	0.21	0.25	21.71	20.12	18.81	21.65	20.07	18.77
500.0	0.15	0.21	0.24	20.99	19.63	18.29	20.89	19.54	18.22
550.0	0.15	0.22	0.26	20.45	19.22	17.97	20.33	19.10	17.88
600.0	0.15	0.23	0.27	20.02	18.83	17.67	19.88	18.73	17.55
650.0	0.15	0.23	0.27	19.65	18.51	17.35	19.49	18.39	17.25
700.0	0.16	0.24	0.29	19.33	18.19	17.04	19.18	18.07	16.96
800.0	0.17	0.26	0.32	18.69	17.66	16.46	18.51	17.53	16.38
900.0	0.19	0.27	0.34	18.42	17.24	16.10	18.18	17.09	15.98
1000.0	0.19	0.30	0.36	18.31	16.86	15.85	18.15	16.77	15.79
1050.0	0.19	0.30	0.37	18.19	16.70	15.76	18.02	16.61	15.69
1100.0	0.20	0.32	0.38	18.06	16.58	15.69	17.93	16.50	15.64
1200.0	0.21	0.34	0.40	17.81	16.37	15.56	17.73	16.33	15.55
1250.0	0.21	0.35	0.42	17.72	16.29	15.51	17.64	16.27	15.51
1300.0	0.22	0.35	0.42	17.62	16.23	15.49	17.56	16.22	15.47
1350.0	0.23	0.36	0.43	17.51	16.20	15.47	17.49	16.21	15.49
1400.0	0.22	0.36	0.43	17.43	16.16	15.47	17.42	16.19	15.51
1450.0	0.23	0.37	0.44	17.49	16.20	15.54	17.44	16.21	15.54
1500.0	0.23	0.38	0.45	17.55	16.22	15.54	17.46	16.24	15.60
1550.0	0.23	0.38	0.46	17.68	16.34	15.67	17.49	16.31	15.67
1600.0	0.23	0.39	0.46	17.60	16.37	15.70	17.49	16.37	15.74
1650.0	0.22	0.37	0.45	17.71	16.57	15.91	17.43	16.41	15.82
1700.0	0.24	0.39	0.47	17.69	16.62	15.94	17.44	16.53	15.93
1750.0	0.24	0.39	0.47	17.79	16.76	16.12	17.54	16.66	16.06
1800.0	0.23	0.38	0.47	18.08	17.02	16.34	17.72	16.81	16.19
1850.0	0.24	0.39	0.49	18.25	17.15	16.49	17.92	16.97	16.35
1900.0	0.23	0.40	0.48	18.63	17.47	16.79	18.13	17.15	16.53
1950.0	0.24	0.40	0.49	18.82	17.64	16.97	18.35	17.32	16.70
2000.0	0.23	0.39	0.48	19.19	18.02	17.34	18.58	17.56	16.93

# High Pass Filter **ZX75HP-73-S+**

## Typical Performance Data

FREQ.  (MHz)	GROUP DELAY		
	(dB)		
	@-40°C	@+25°C	@+85°C
73.0	28.57	28.03	27.68
74.0	27.72	27.13	26.73
75.0	25.42	24.86	24.47
80.0	22.32	21.85	21.51
85.0	18.81	18.47	18.20
90.0	14.46	14.26	14.10
95.0	11.55	11.43	11.34
100.0	9.70	9.62	9.56
105.0	8.41	8.35	8.30
110.0	7.41	7.36	7.32
115.0	6.61	6.56	6.53
120.0	5.92	5.89	5.86
125.0	5.35	5.32	5.31
130.0	4.74	4.73	4.68
135.0	4.42	4.38	4.35
136.0	4.15	4.11	4.10
137.0	4.00	3.96	3.94
138.0	3.90	3.87	3.87
139.0	4.00	3.95	3.96
140.0	3.92	3.91	3.89
141.0	3.90	3.85	3.85
142.0	3.84	3.82	3.80
143.0	3.79	3.73	3.71
144.0	3.76	3.72	3.71
145.0	3.72	3.67	3.68
146.0	3.60	3.59	3.57
150.0	3.47	3.45	3.44
155.0	3.32	3.31	3.30
160.0	3.12	3.11	3.09
165.0	2.90	2.89	2.87
170.0	2.74	2.72	2.70
175.0	2.58	2.57	2.56
180.0	2.44	2.42	2.41
185.0	2.32	2.31	2.30
190.0	2.21	2.19	2.18
195.0	2.10	2.09	2.07
200.0	2.00	1.98	1.97
205.0	1.91	1.90	1.89
210.0	1.82	1.81	1.80
250.0	1.34	1.33	1.33
300.0	0.99	0.98	0.98
350.0	0.79	0.79	0.78
400.0	0.66	0.65	0.65
450.0	0.57	0.57	0.56
500.0	0.51	0.50	0.50
600.0	0.44	0.43	0.42
700.0	0.38	0.38	0.37
800.0	0.35	0.34	0.34
900.0	0.33	0.32	0.32
1000.0	0.32	0.31	0.30
1100.0	0.31	0.29	0.28
1200.0	0.29	0.28	0.28
1300.0	0.30	0.29	0.29
1400.0	0.28	0.28	0.27
1500.0	0.28	0.27	0.27
1600.0	0.27	0.26	0.26
1700.0	0.27	0.26	0.25
1800.0	0.28	0.27	0.26
1900.0	0.27	0.27	0.26
2000.0	0.28	0.27	0.26