

## 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	103.96	99.42	107.39	0.00	0.00	0.01	0.01	0.00	0.00
5.0	95.95	100.60	99.71	0.00	0.00	0.00	0.00	0.01	0.00
8.0	95.51	96.53	96.90	0.01	0.00	0.01	0.01	0.00	0.00
9.0	92.40	117.13	98.53	0.02	0.01	0.01	0.01	0.01	0.02
10.0	101.81	93.75	102.37	0.01	0.01	0.00	0.00	0.00	0.01
11.0	96.18	115.05	103.35	0.01	0.01	0.01	0.01	0.01	0.01
13.0	94.20	100.02	111.77	0.00	0.01	0.01	0.01	0.01	0.00
15.0	96.75	90.87	95.76	0.01	0.02	0.03	0.02	0.02	0.03
16.0	88.03	80.24	80.42	0.01	0.01	0.02	0.02	0.02	0.01
17.0	82.56	88.48	86.20	0.01	0.01	0.02	0.02	0.02	0.02
18.0	87.73	79.32	87.75	0.01	0.01	0.02	0.02	0.02	0.02
19.0	86.39	92.75	88.96	0.02	0.02	0.02	0.02	0.03	0.03
21.0	84.50	79.68	79.10	0.02	0.02	0.03	0.02	0.03	0.03
25.0	87.75	86.71	81.25	0.04	0.05	0.06	0.04	0.05	0.06
28.0	73.40	74.79	72.81	0.05	0.06	0.07	0.06	0.07	0.08
30.0	65.63	66.18	64.64	0.06	0.07	0.08	0.07	0.08	0.09
32.0	59.94	59.71	59.90	0.09	0.09	0.11	0.08	0.10	0.11
34.0	55.39	55.20	55.12	0.10	0.12	0.13	0.10	0.12	0.14
35.0	53.08	52.83	52.57	0.12	0.13	0.15	0.12	0.13	0.14
37.0	48.70	48.51	48.32	0.14	0.16	0.18	0.14	0.16	0.18
39.0	44.55	44.40	44.13	0.17	0.19	0.22	0.17	0.20	0.22
41.0	40.73	40.49	40.23	0.20	0.23	0.26	0.21	0.24	0.27
44.0	35.12	34.83	34.60	0.27	0.32	0.35	0.28	0.32	0.36
46.0	31.50	31.21	30.98	0.33	0.38	0.43	0.34	0.39	0.43
48.0	27.92	27.65	27.43	0.41	0.48	0.53	0.42	0.49	0.53
49.5	25.33	25.07	24.84	0.49	0.56	0.62	0.50	0.58	0.64
50.3	24.01	23.76	23.54	0.53	0.61	0.68	0.55	0.63	0.70
52.0	20.97	20.75	20.51	0.66	0.76	0.84	0.69	0.79	0.87
53.3	18.84	18.60	18.39	0.79	0.91	1.00	0.81	0.94	1.03
56.0	14.08	13.90	13.74	1.25	1.43	1.57	1.29	1.46	1.61
59.0	9.29	9.20	9.10	2.33	2.60	2.83	2.37	2.65	2.88
62.0	5.35	5.40	5.40	4.78	5.20	5.56	4.84	5.28	5.65
65.0	2.91	3.05	3.15	9.77	10.29	10.78	9.90	10.46	10.96
69.0	1.64	1.80	1.91	22.54	22.98	23.47	23.48	24.17	24.85
80.0	0.95	1.06	1.13	26.94	26.35	26.07	29.70	29.05	28.94
91.0	0.71	0.79	0.85	22.48	23.06	23.34	23.67	24.60	25.14
106.0	0.56	0.63	0.66	18.77	19.28	19.71	18.92	19.46	19.92
124.0	0.43	0.48	0.52	21.52	21.55	21.84	21.23	21.25	21.53
130.0	0.39	0.44	0.48	23.58	23.26	23.44	22.99	22.68	22.85
138.0	0.34	0.40	0.43	27.59	26.39	26.25	25.99	25.13	25.04
155.0	0.30	0.34	0.38	42.41	42.05	37.90	30.95	31.11	30.66
170.0	0.27	0.31	0.33	27.84	31.46	34.03	26.53	29.03	30.42
190.0	0.24	0.28	0.30	22.88	24.84	26.53	22.64	24.51	26.12
230.0	0.23	0.26	0.27	19.93	20.60	21.56	19.97	20.63	21.66
270.0	0.20	0.24	0.27	19.42	19.11	19.51	19.55	19.22	19.66
450.0	0.16	0.22	0.27	19.07	17.92	16.88	19.09	17.93	16.88
610.0	0.16	0.23	0.28	18.50	17.59	16.53	18.41	17.51	16.46
730.0	0.18	0.25	0.31	18.26	17.30	16.18	18.13	17.20	16.11
810.0	0.19	0.27	0.33	18.06	17.12	15.95	17.90	16.98	15.88
930.0	0.19	0.28	0.35	17.85	16.82	15.75	17.71	16.72	15.68
990.0	0.20	0.30	0.36	17.83	16.71	15.71	17.67	16.58	15.61
1120.0	0.21	0.32	0.38	17.96	16.52	15.66	17.79	16.43	15.62
1270.0	0.22	0.34	0.41	17.77	16.40	15.66	17.68	16.35	15.61
1360.0	0.24	0.35	0.42	17.67	16.37	15.70	17.62	16.37	15.69
1430.0	0.25	0.37	0.44	17.67	16.42	15.79	17.66	16.43	15.80
1770.0	0.26	0.40	0.48	17.97	17.04	16.56	18.09	17.14	16.62
1850.0	0.26	0.39	0.48	18.31	17.35	16.88	18.41	17.44	16.90
1870.0	0.26	0.41	0.49	18.38	17.43	16.96	18.48	17.50	16.96
2000.0	0.26	0.40	0.49	18.98	18.09	17.73	19.03	18.12	17.60
2050.0	0.27	0.42	0.51	19.31	18.42	18.07	19.34	18.38	17.87

# High Pass Filter **ZX75HP-65-S+**

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FREQ.  (MHz)	GROUP DELAY		
	(dB)		
	@-40°C	@+25°C	@+85°C
130.0	3.97	3.94	3.90
132.0	3.83	3.82	3.80
134.0	3.70	3.68	3.69
136.0	3.61	3.57	3.55
138.0	3.67	3.63	3.62
139.0	3.59	3.56	3.53
140.0	3.49	3.45	3.44
150.0	3.20	3.16	3.16
155.0	2.86	2.84	2.83
160.0	2.69	2.67	2.66
170.0	2.38	2.37	2.36
180.0	2.13	2.13	2.11
190.0	1.93	1.92	1.91
200.0	1.75	1.74	1.73
210.0	1.60	1.60	1.58
215.0	1.54	1.53	1.52
220.0	1.48	1.47	1.46
230.0	1.36	1.36	1.35
240.0	1.27	1.26	1.26
250.0	1.19	1.18	1.18
260.0	1.11	1.10	1.10
270.0	1.05	1.05	1.04
280.0	0.99	0.98	0.98
290.0	0.94	0.93	0.93
300.0	0.88	0.88	0.87
310.0	0.86	0.84	0.84
320.0	0.81	0.80	0.80
330.0	0.78	0.77	0.77
340.0	0.75	0.74	0.74
350.0	0.72	0.71	0.70
360.0	0.69	0.68	0.67
370.0	0.67	0.66	0.65
380.0	0.65	0.64	0.63
390.0	0.63	0.63	0.62
400.0	0.61	0.60	0.59
410.0	0.59	0.59	0.58
420.0	0.58	0.57	0.56
430.0	0.56	0.55	0.55
440.0	0.55	0.54	0.53
450.0	0.53	0.52	0.52
460.0	0.52	0.51	0.51
470.0	0.51	0.50	0.50
480.0	0.50	0.49	0.48
500.0	0.48	0.47	0.47
525.0	0.46	0.45	0.44
565.0	0.42	0.42	0.41
590.0	0.42	0.41	0.41
615.0	0.40	0.39	0.38
660.0	0.38	0.37	0.37
730.0	0.36	0.35	0.34
810.0	0.34	0.33	0.33
1020.0	0.31	0.29	0.29
1030.0	0.31	0.30	0.29
1350.0	0.28	0.27	0.27
1380.0	0.28	0.28	0.27
1530.0	0.27	0.26	0.26
1670.0	0.27	0.27	0.26
1830.0	0.27	0.26	0.26
1900.0	0.27	0.27	0.26
2000.0	0.27	0.26	0.26