

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	98.38	97.29	108.47	0.00	0.00	0.00	0.00	0.00	0.00
5	104.99	106.81	101.88	0.00	0.00	0.00	0.00	0.00	0.00
10	96.03	119.81	102.65	0.00	0.00	0.00	0.00	0.00	0.00
25	116.71	110.87	106.03	0.00	0.01	0.00	0.00	0.00	0.00
50	92.57	105.16	95.38	0.01	0.01	0.02	0.00	0.01	0.01
75	85.60	83.10	82.24	0.02	0.03	0.03	0.01	0.02	0.02
100	72.48	71.86	71.67	0.02	0.04	0.05	0.01	0.03	0.04
125	60.74	60.64	60.47	0.05	0.07	0.08	0.03	0.06	0.07
150	50.20	50.12	49.92	0.08	0.11	0.13	0.07	0.10	0.12
175	40.40	40.35	40.24	0.13	0.17	0.19	0.12	0.16	0.18
200	31.20	31.21	31.15	0.21	0.25	0.29	0.20	0.25	0.28
205	29.42	29.44	29.39	0.23	0.28	0.31	0.23	0.28	0.31
225	22.44	22.47	22.44	0.35	0.41	0.45	0.36	0.42	0.47
250	13.99	13.96	13.93	0.72	0.83	0.90	0.77	0.88	0.96
275	6.31	6.23	6.17	2.32	2.60	2.79	2.46	2.76	2.98
290	3.04	3.01	2.99	5.25	5.81	6.25	5.51	6.15	6.66
300	1.76	1.80	1.82	8.65	9.49	10.22	9.12	10.12	11.02
325	0.72	0.84	0.92	22.42	22.94	23.08	25.59	26.81	27.14
350	0.57	0.68	0.75	20.81	21.12	20.74	20.71	20.96	20.56
390	0.45	0.53	0.59	22.89	25.05	26.59	23.34	25.89	27.80
400	0.42	0.50	0.56	24.79	27.42	29.49	25.81	29.82	34.18
410	0.39	0.48	0.54	27.07	29.58	30.69	29.34	36.60	53.40
420	0.37	0.46	0.52	29.14	29.82	28.73	33.87	38.31	33.06
430	0.36	0.45	0.50	29.52	28.01	26.09	34.19	31.15	27.66
440	0.35	0.44	0.50	27.96	25.83	23.93	29.95	27.08	24.58
450	0.34	0.43	0.49	25.90	23.95	22.25	26.59	24.45	22.49
460	0.34	0.43	0.49	24.05	22.45	20.95	24.20	22.58	20.97
470	0.33	0.42	0.48	22.55	21.24	19.92	22.45	21.18	19.81
480	0.33	0.42	0.48	21.34	20.27	19.10	21.10	20.09	18.91
490	0.33	0.42	0.48	20.37	19.49	18.45	20.05	19.23	18.19
500	0.33	0.42	0.48	19.59	18.86	17.93	19.20	18.53	17.63
525	0.33	0.42	0.48	18.19	17.74	17.06	17.73	17.32	16.65
550	0.34	0.42	0.48	17.33	17.07	16.56	16.83	16.60	16.11
575	0.33	0.42	0.47	16.81	16.70	16.34	16.30	16.20	15.85
600	0.33	0.41	0.47	16.53	16.55	16.31	16.01	16.02	15.78
625	0.33	0.41	0.46	16.41	16.55	16.41	15.88	16.00	15.85
650	0.32	0.40	0.45	16.41	16.66	16.62	15.89	16.10	16.04
675	0.31	0.39	0.44	16.51	16.87	16.94	16.00	16.30	16.34
700	0.30	0.38	0.42	16.71	17.16	17.35	16.20	16.58	16.72
725	0.30	0.37	0.41	16.98	17.50	17.83	16.47	16.91	17.17
750	0.29	0.36	0.40	17.33	17.91	18.41	16.82	17.32	17.71
775	0.28	0.35	0.39	17.72	18.37	19.06	17.22	17.78	18.34
800	0.27	0.34	0.38	18.16	18.88	19.79	17.65	18.28	19.01
1000	0.21	0.30	0.35	22.39	24.70	29.24	22.20	24.07	26.54
1200	0.19	0.29	0.36	27.87	38.07	36.11	29.01	34.36	29.30
1400	0.18	0.31	0.39	37.37	33.88	26.48	48.34	30.35	24.60
1800	0.19	0.35	0.46	33.64	26.00	22.69	30.00	24.81	21.98
2000	0.20	0.37	0.48	33.50	26.08	22.98	30.83	25.42	22.72
2200	0.21	0.39	0.51	40.51	27.73	24.26	36.06	28.06	24.63
2300	0.22	0.41	0.53	45.37	29.07	25.37	43.79	30.52	26.26
2400	0.23	0.41	0.54	38.16	30.50	26.89	41.04	34.30	28.59
2500	0.23	0.43	0.56	32.70	31.10	28.59	34.21	38.13	31.70
2600	0.24	0.44	0.57	29.02	29.94	29.44	30.04	34.56	33.63
2800	0.26	0.47	0.61	23.56	25.12	25.89	24.02	26.25	27.20
2900	0.27	0.49	0.64	21.78	22.99	23.37	22.01	23.63	24.09
3000	0.30	0.52	0.68	20.52	21.13	21.15	20.62	21.58	21.67
3025	0.30	0.52	0.69	20.23	20.69	20.64	20.33	21.11	21.12
3050	0.30	0.53	0.70	19.97	20.28	20.14	20.04	20.66	20.62
3075	0.31	0.54	0.71	19.71	19.90	19.70	19.74	20.24	20.13
3100	0.32	0.55	0.72	19.44	19.50	19.25	19.46	19.84	19.68

High Pass Filter

ZX75HP-290-S+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY		
	(nsec)		
	@-40°C	@+25°C	@+85°C
430	1.97	1.95	1.95
440	1.87	1.85	1.84
450	1.78	1.76	1.75
460	1.69	1.68	1.67
470	1.61	1.60	1.59
480	1.54	1.53	1.52
490	1.47	1.45	1.44
500	1.39	1.37	1.36
525	1.30	1.29	1.28
550	1.21	1.20	1.19
575	1.12	1.11	1.10
600	1.04	1.02	1.02
625	0.96	0.95	0.95
650	0.90	0.89	0.89
675	0.85	0.84	0.83
700	0.80	0.79	0.79
725	0.76	0.75	0.75
750	0.73	0.72	0.71
775	0.69	0.69	0.68
800	0.66	0.66	0.65
825	0.64	0.63	0.63
850	0.62	0.61	0.60
875	0.59	0.59	0.58
900	0.58	0.57	0.56
925	0.56	0.55	0.55
950	0.54	0.53	0.53
975	0.53	0.52	0.51
1000	0.51	0.50	0.50
1025	0.50	0.49	0.49
1050	0.49	0.48	0.47
1075	0.48	0.47	0.46
1100	0.47	0.46	0.45
1125	0.46	0.45	0.44
1150	0.45	0.44	0.43
1175	0.44	0.43	0.43
1200	0.43	0.42	0.42
1250	0.42	0.41	0.40
1300	0.40	0.40	0.39
1350	0.39	0.38	0.38
1400	0.38	0.37	0.37
1450	0.37	0.36	0.36
1500	0.37	0.36	0.35
1525	0.36	0.35	0.35
1550	0.36	0.35	0.34
1575	0.36	0.35	0.34
1600	0.35	0.34	0.34
1700	0.34	0.33	0.33
1800	0.33	0.32	0.32
1900	0.32	0.31	0.31
2000	0.32	0.31	0.30
2100	0.31	0.30	0.30
2200	0.31	0.30	0.29
2300	0.30	0.29	0.29
2500	0.30	0.29	0.28
2600	0.29	0.29	0.28
2700	0.29	0.29	0.28
2800	0.29	0.28	0.28
2900	0.29	0.28	0.28
3000	0.29	0.28	0.28
3100	0.29	0.28	0.27