

Coaxial High Pass Filter

ZFHP-1R2-S+

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
0.030	82.34	84.50	84.66	0.01	0.01	0.01	0.01	0.00	0.01
0.110	79.39	80.09	79.47	0.02	0.01	0.02	0.02	0.01	0.02
0.130	81.68	82.39	81.57	0.02	0.02	0.02	0.02	0.02	0.03
0.155	88.40	87.36	87.03	0.02	0.02	0.03	0.02	0.02	0.02
0.160	90.65	90.65	89.83	0.02	0.02	0.03	0.02	0.01	0.02
0.165	97.25	95.98	97.61	0.02	0.02	0.03	0.02	0.02	0.02
0.185	84.19	84.94	86.53	0.03	0.02	0.03	0.02	0.02	0.02
0.205	77.27	78.05	77.95	0.03	0.02	0.03	0.02	0.02	0.03
0.220	73.41	74.01	74.24	0.03	0.02	0.03	0.02	0.02	0.03
0.235	70.57	71.15	71.09	0.03	0.03	0.04	0.03	0.02	0.03
0.260	67.03	67.32	67.47	0.03	0.03	0.04	0.03	0.02	0.03
0.295	63.30	63.35	63.61	0.04	0.03	0.04	0.03	0.02	0.03
0.330	60.65	60.44	60.95	0.05	0.03	0.05	0.03	0.03	0.04
0.370	58.50	58.05	58.79	0.05	0.04	0.05	0.03	0.03	0.04
0.400	57.48	56.64	57.67	0.06	0.05	0.06	0.04	0.03	0.05
0.425	56.75	55.68	56.92	0.07	0.06	0.07	0.04	0.03	0.05
0.500	54.60	53.36	55.28	0.12	0.09	0.12	0.07	0.05	0.07
0.600	44.51	47.28	46.86	0.33	0.19	0.28	0.17	0.11	0.15
0.700	30.08	41.48	47.38	1.78	0.45	1.09	0.60	0.27	0.40
0.750	7.58	28.71	14.76	13.88	0.89	6.76	2.78	0.58	1.14
0.800	1.85	7.51	3.76	11.28	6.39	7.89	10.43	3.49	5.87
1.000	0.40	0.55	0.46	23.27	15.12	25.81	23.34	14.94	25.32
1.100	0.30	0.37	0.34	24.44	16.99	26.81	24.32	17.11	26.16
1.200	0.23	0.28	0.27	26.96	18.08	29.42	26.22	18.22	28.10
1.400	0.17	0.19	0.20	28.88	21.42	27.58	26.60	21.29	26.02
1.700	0.17	0.12	0.18	19.53	30.94	20.79	19.14	28.48	20.30
2.050	0.20	0.10	0.19	16.18	24.71	17.56	16.02	24.00	17.33
2.450	0.21	0.11	0.20	15.03	20.88	16.31	14.94	20.63	16.17
3.600	0.18	0.10	0.17	15.29	19.24	16.39	15.25	19.17	16.32
7.000	0.13	0.07	0.15	18.69	21.67	19.54	18.63	21.62	19.45
12.000	0.16	0.13	0.22	22.07	24.08	22.73	22.01	24.01	22.66
21.000	0.23	0.26	0.33	24.81	26.08	25.55	24.88	26.11	25.47
42.000	0.28	0.32	0.35	27.75	28.89	29.37	29.20	28.96	27.89
65.000	0.26	0.30	0.33	29.36	30.41	31.58	33.10	30.14	28.00
85.000	0.25	0.29	0.32	30.50	31.29	32.75	35.43	31.27	28.85
145.000	0.23	0.26	0.29	34.41	32.22	30.68	31.82	33.54	34.54
320.000	0.23	0.27	0.31	30.19	34.77	32.71	28.79	35.46	38.11
370.000	0.26	0.32	0.36	31.32	35.34	33.54	30.96	37.13	38.27
390.000	0.30	0.36	0.41	31.49	35.18	33.30	32.55	37.67	35.78
405.000	0.34	0.41	0.45	31.24	34.52	33.05	33.50	35.86	33.11
420.000	0.42	0.48	0.52	29.98	32.55	32.19	33.56	33.41	30.98
425.000	0.45	0.51	0.53	29.34	31.81	31.88	32.88	32.50	30.40
440.000	0.53	0.56	0.57	27.68	30.42	31.93	29.58	30.08	29.13
465.000	0.46	0.50	0.53	27.47	30.96	35.64	27.01	28.84	29.26
480.000	0.40	0.45	0.49	28.02	31.65	37.75	27.20	29.40	30.61
500.000	0.35	0.42	0.46	29.06	33.03	41.66	27.54	29.94	31.73
525.000	0.33	0.40	0.45	29.80	34.38	50.32	28.13	30.76	32.71
660.000	0.35	0.44	0.50	38.08	61.83	38.98	28.33	29.58	29.95
675.000	0.37	0.46	0.52	40.32	49.82	36.88	27.26	28.37	28.82
690.000	0.41	0.50	0.55	42.09	45.79	36.32	26.35	27.45	28.10
705.000	0.46	0.55	0.60	50.36	42.50	35.57	25.75	26.96	27.97
725.000	0.52	0.59	0.64	46.24	37.63	33.45	24.61	26.04	27.33
740.000	0.56	0.63	0.67	42.04	36.73	33.53	24.00	25.61	26.96
750.000	0.59	0.66	0.70	39.53	36.58	34.17	24.16	25.87	27.32
800.000	0.52	0.61	0.66	35.64	36.09	35.13	25.68	27.35	28.75
850.000	0.46	0.56	0.63	36.20	37.15	36.21	27.79	29.03	30.19
900.000	0.47	0.58	0.66	35.70	36.85	35.66	28.88	29.85	30.68
950.000	0.53	0.65	0.72	33.34	34.35	33.34	28.91	29.28	29.81
975.000	0.59	0.71	0.78	31.64	33.15	32.58	27.91	27.92	28.34
1000.000	0.65	0.76	0.83	29.43	31.05	30.52	26.80	26.69	27.21



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IF/RF MICROWAVE COMPONENTS

Typical Performance Data

FREQ. (MHz)	GROUP DELAY		
	(nsec)		
	@-40°C	@+25°C	@+85°C
1.200	677.01	790.23	726.14
1.300	531.14	606.12	563.54
1.400	431.26	485.10	454.05
1.500	359.14	400.80	376.05
1.600	303.44	337.69	317.23
1.700	260.41	289.39	271.87
1.800	226.38	250.73	236.24
1.900	198.47	219.72	206.97
2.000	175.61	194.10	183.08
2.100	156.72	173.31	163.51
2.200	140.89	155.28	146.67
2.300	127.42	140.33	132.83
2.400	115.67	127.65	120.61
2.500	105.56	116.42	110.11
2.600	96.81	106.27	100.70
2.700	89.28	97.85	92.88
2.800	82.67	90.51	85.88
2.900	76.90	83.83	79.88
3.000	71.45	77.95	74.10
3.100	66.77	72.81	69.46
3.200	62.39	67.94	64.85
3.300	58.84	63.81	60.96
3.400	55.27	60.19	57.54
3.500	52.21	56.49	53.99
3.600	49.15	53.48	51.15
3.700	46.58	50.34	48.21
3.800	43.90	47.51	45.67
3.900	41.76	45.13	43.47
4.000	34.85	37.84	36.42
6.000	23.69	25.75	24.74
8.000	12.73	13.73	13.13
9.000	9.68	10.48	9.98
11.000	6.23	6.74	6.39
13.000	4.39	4.71	4.49
16.000	2.93	3.09	2.94
25.000	1.25	1.25	1.21
31.000	0.86	0.87	0.85
37.000	0.67	0.68	0.68
47.000	0.53	0.52	0.52
50.000	0.50	0.50	0.49
55.000	0.46	0.45	0.45
70.000	0.42	0.40	0.39
73.000	0.40	0.39	0.39
83.000	0.37	0.34	0.33
91.000	0.33	0.34	0.34
96.000	0.38	0.35	0.35
140.000	0.31	0.30	0.30
175.000	0.32	0.30	0.30
245.000	0.29	0.28	0.28
365.000	0.32	0.30	0.29
425.000	0.24	0.22	0.22
445.000	0.16	0.17	0.18
475.000	0.27	0.26	0.26
510.000	0.32	0.30	0.29
550.000	0.30	0.28	0.28
685.000	0.32	0.30	0.29
705.000	0.28	0.26	0.25
730.000	0.25	0.24	0.24
745.000	0.22	0.22	0.23
800.000	0.27	0.26	0.25