

Coaxial Band Pass Filter

ZBFHK-K1272+

Typical Performance Data

FREQ.	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
(MHz)	(dB)			(dB)			(dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
10	76.86	82.37	84.04	0.02	0.04	0.06	0.03	0.05	0.07
100	99.40	111.19	99.72	0.07	0.08	0.13	0.02	0.05	0.10
500	95.37	99.36	108.72	0.19	0.22	0.29	0.12	0.17	0.23
1000	109.35	101.66	102.04	0.24	0.29	0.36	0.15	0.22	0.28
1500	106.10	96.44	97.91	0.21	0.27	0.34	0.08	0.17	0.23
2000	105.43	105.63	104.76	0.18	0.24	0.32	0.06	0.15	0.22
2500	108.45	99.70	100.39	0.18	0.25	0.33	0.06	0.16	0.22
3000	100.88	92.18	94.45	0.19	0.26	0.34	0.05	0.17	0.24
3500	93.38	98.52	111.66	0.24	0.32	0.40	0.08	0.20	0.27
4000	100.53	102.15	104.74	0.28	0.36	0.45	0.07	0.21	0.28
4500	107.40	101.02	99.20	0.32	0.41	0.49	0.15	0.30	0.37
5000	96.53	102.62	99.90	0.36	0.47	0.55	0.19	0.34	0.41
5500	101.71	99.58	95.27	0.39	0.51	0.60	0.17	0.35	0.43
6000	95.89	102.34	105.18	0.41	0.55	0.64	0.16	0.34	0.43
6500	97.26	109.88	101.42	0.45	0.60	0.70	0.21	0.40	0.50
7000	98.65	95.72	92.58	0.52	0.68	0.80	0.24	0.45	0.55
7500	97.37	89.61	89.31	0.60	0.77	0.90	0.33	0.54	0.64
8000	89.59	88.20	90.70	0.66	0.84	0.97	0.37	0.59	0.70
8600	83.13	82.23	80.72	0.65	0.83	0.96	0.31	0.56	0.68
9000	78.12	76.98	75.54	0.62	0.81	0.95	0.34	0.60	0.72
9500	69.35	68.29	66.26	0.56	0.77	0.92	0.30	0.58	0.72
10000	58.15	56.71	54.46	0.57	0.80	0.98	0.33	0.64	0.82
10740	33.72	30.76	26.28	0.92	1.30	1.75	0.69	1.13	1.57
10920	24.47	20.66	14.87	1.30	1.94	3.36	1.01	1.72	3.10
11000	19.53	15.23	9.49	1.68	2.78	6.42	1.40	2.58	6.14
11100	12.43	8.30	5.66	3.02	6.63	13.79	2.75	6.41	13.59
11840	2.59	3.01	3.41	14.96	19.23	23.85	14.68	18.70	22.83
11900	2.48	2.95	3.44	18.62	24.93	18.69	18.04	23.71	18.76
12000	2.39	2.98	3.56	25.04	18.15	14.28	24.78	18.53	14.50
12100	2.47	3.11	3.63	16.01	13.83	13.40	16.34	14.07	13.53
12500	2.46	3.05	3.67	21.47	21.93	16.67	24.25	26.64	17.81
12600	2.50	3.17	3.82	20.35	16.57	14.74	23.08	17.73	15.66
12720	2.66	3.33	3.91	14.89	14.38	15.90	15.54	15.28	17.74
12300	2.64	3.13	3.52	12.94	14.68	19.53	12.94	14.84	20.73
12400	2.55	3.04	3.54	15.49	19.44	21.51	15.66	20.67	25.25
12500	2.46	3.05	3.67	21.47	21.93	16.67	24.25	26.64	17.81
12600	2.50	3.17	3.82	20.35	16.57	14.74	23.08	17.73	15.66
12800	2.75	3.39	3.97	14.11	15.20	18.41	14.81	16.65	23.75
13620	5.55	9.85	18.16	20.02	8.63	4.12	14.74	7.65	3.82
13780	13.73	20.74	28.75	4.12	2.98	2.44	3.63	2.77	2.22
13940	24.96	30.92	37.60	1.96	1.98	1.94	1.68	1.79	1.70
14000	28.68	34.27	40.52	1.71	1.82	1.84	1.44	1.62	1.59
15000	66.89	69.80	73.49	1.05	1.34	1.54	0.54	0.91	1.10
16000	88.80	93.86	101.78	1.09	1.48	1.75	0.58	1.02	1.26
16700	100.42	106.58	99.33	1.11	1.50	1.71	0.66	1.11	1.31
17000	106.74	94.86	94.51	1.10	1.46	1.64	0.67	1.11	1.27
18000	97.74	105.16	98.72	0.96	1.25	1.41	0.57	0.97	1.12
19000	100.67	96.29	89.46	0.82	1.11	1.28	0.41	0.81	0.98
20000	96.50	95.43	96.63	0.82	1.16	1.40	0.44	0.87	1.10
24000	107.74	97.36	100.36	1.17	1.52	1.72	0.94	1.44	1.69
24500	93.72	102.82	99.61	0.94	1.33	1.54	0.80	1.34	1.60
25000	106.45	94.22	107.33	0.81	1.22	1.45	0.76	1.29	1.56
28000	91.94	89.10	92.23	1.52	2.00	2.38	0.71	1.20	1.47
30000	86.91	88.82	89.40	1.56	2.22	2.49	1.30	2.14	2.55
31000	90.66	84.17	89.94	1.50	2.04	2.25	1.69	2.41	2.70
32000	99.17	94.60	107.75	1.44	1.91	2.06	1.27	1.80	1.99
33000	83.09	86.98	100.01	1.29	1.74	1.96	0.79	1.28	1.52
34000	88.65	87.41	83.91	1.11	1.61	2.00	0.47	1.01	1.37
35000	79.25	86.29	93.08	1.29	1.97	2.64	0.40	1.11	1.60
38000	80.20	80.62	81.16	1.50	1.99	2.31	1.48	2.15	2.46

Typical Performance Data

FREQ.	GROUP DELAY		
(MHz)	(nsec)		
	@-55°C	@+25°C	@+125°C
11900	1.04	1.03	1.02
11920	1.04	1.03	1.01
11940	1.04	1.03	1.01
11960	1.03	1.02	1.00
11980	1.03	1.02	1.00
12000	1.03	1.01	0.99
12020	1.02	1.01	0.99
12040	1.02	1.00	0.98
12060	1.01	0.99	0.98
12080	1.00	0.99	0.98
12100	1.00	0.98	0.98
12120	0.99	0.98	0.98
12140	0.99	0.97	0.98
12160	0.98	0.97	0.98
12180	0.98	0.97	0.98
12200	0.97	0.97	0.98
12220	0.97	0.97	0.99
12240	0.97	0.97	0.99
12260	0.96	0.97	0.99
12280	0.96	0.97	1.00
12300	0.96	0.98	1.00
12320	0.96	0.98	1.00
12340	0.97	0.98	1.00
12360	0.97	0.99	1.01
12380	0.97	0.99	1.01
12400	0.98	0.99	1.01
12420	0.98	0.99	1.01
12440	0.98	1.00	1.01
12460	0.99	1.00	1.01
12480	0.99	1.00	1.01
12500	0.99	1.00	1.01
12520	0.99	1.00	1.01
12540	1.00	1.00	1.01
12560	1.00	1.00	1.01
12580	1.00	1.00	1.02
12600	1.00	1.00	1.02
12700	1.00	1.01	1.04
12720	1.00	1.01	1.05
12780	1.00	1.03	1.07
12800	1.01	1.03	1.08