

Cavity Band Pass Filter

ZVBP-1992R5-S+

Typical Performance Data

FREQ.	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
(MHz)	(dB)			(dB)			(dB)		
	@+15°C	@+25°C	@+35°C	@+15°C	@+25°C	@+35°C	@+15°C	@+25°C	@+35°C
100.0	108.83	95.64	100.66	0.07	0.04	0.05	0.03	0.04	0.04
200.0	104.59	97.25	101.96	0.06	0.02	0.04	0.05	0.06	0.06
300.0	102.34	97.64	104.52	0.04	0.01	0.02	0.06	0.08	0.08
500.0	103.18	98.96	107.03	0.01	0.01	0.00	0.06	0.07	0.07
800.0	110.27	102.31	102.65	0.03	0.00	0.00	0.05	0.06	0.06
1000.0	96.32	94.25	110.55	0.05	0.00	0.02	0.05	0.06	0.06
1150.0	94.29	95.90	101.01	0.09	0.03	0.05	0.04	0.06	0.06
1200.0	97.42	100.37	107.20	0.11	0.04	0.06	0.04	0.06	0.06
1250.0	109.28	94.80	116.74	0.09	0.03	0.05	0.04	0.06	0.06
1300.0	103.65	99.20	101.78	0.13	0.05	0.08	0.04	0.06	0.06
1350.0	105.54	102.01	96.24	0.11	0.03	0.06	0.04	0.06	0.06
1400.0	97.21	98.29	107.26	0.14	0.06	0.09	0.04	0.06	0.06
1450.0	107.96	101.11	94.46	0.13	0.05	0.08	0.04	0.06	0.06
1500.0	102.12	93.53	92.02	0.13	0.05	0.08	0.04	0.06	0.06
1550.0	95.69	92.92	97.95	0.15	0.06	0.10	0.04	0.06	0.06
1600.0	95.15	90.41	92.38	0.13	0.04	0.08	0.04	0.06	0.06
1650.0	91.67	91.86	94.01	0.15	0.07	0.10	0.04	0.06	0.06
1700.0	93.12	87.52	87.50	0.14	0.06	0.09	0.04	0.06	0.06
1984.0	38.92	40.45	41.71	0.11	0.20	0.19	0.26	0.30	0.31
1986.0	35.34	30.84	28.60	0.32	0.44	0.46	0.48	0.56	0.60
1986.9	23.59	20.33	18.51	0.57	0.78	0.88	0.74	0.92	1.03
1987.9	12.97	10.02	8.39	1.46	2.23	2.87	1.68	2.46	3.14
1988.9	4.43	3.04	2.51	6.37	10.66	14.44	6.96	11.81	16.65
1990.0	1.70	1.61	1.57	23.81	21.08	19.03	32.97	21.89	19.15
1990.5	1.47	1.45	1.42	24.61	23.01	22.03	24.38	22.64	21.55
1991.0	1.33	1.34	1.32	30.48	30.25	29.94	27.27	28.50	28.24
1991.5	1.25	1.28	1.27	29.46	26.67	25.96	28.18	26.76	26.19
1992.0	1.22	1.27	1.26	22.55	21.69	21.38	22.85	21.88	21.62
1992.5	1.21	1.27	1.27	20.26	20.42	20.40	20.46	20.36	20.37
1993.0	1.21	1.27	1.28	20.78	21.96	22.23	20.58	21.29	21.52
1993.5	1.21	1.29	1.31	24.85	28.20	28.85	23.07	24.47	24.81
1994.0	1.25	1.35	1.37	39.50	34.21	35.09	25.77	25.61	26.24
1994.5	1.34	1.46	1.50	23.79	23.28	25.06	22.03	22.17	24.26
1995.0	1.48	1.63	1.71	19.25	21.38	24.15	19.24	22.14	29.06
1996.2	2.47	3.65	4.67	14.49	8.61	6.27	16.11	9.17	6.71
1997.0	6.88	9.82	11.59	3.71	2.36	1.84	4.02	2.57	2.08
1997.5	11.77	15.06	16.95	1.69	1.25	1.03	1.94	1.43	1.25
1998.0	17.20	20.64	22.64	0.91	0.78	0.66	1.14	0.94	0.87
1998.9	27.90	32.27	35.24	0.40	0.42	0.36	0.63	0.58	0.56
2001.0	39.10	37.83	37.17	0.08	0.15	0.11	0.31	0.31	0.31
2100.0	71.99	72.65	72.61	0.13	0.05	0.08	0.05	0.08	0.08
2200.0	84.14	84.35	83.86	0.11	0.03	0.06	0.05	0.07	0.07
2300.0	92.96	90.68	86.33	0.10	0.03	0.05	0.05	0.07	0.08
2400.0	94.21	91.17	98.26	0.09	0.02	0.04	0.05	0.08	0.08
2500.0	88.52	106.39	96.68	0.06	0.01	0.01	0.05	0.07	0.08
2600.0	92.65	95.89	97.99	0.02	0.04	0.02	0.06	0.08	0.08
2700.0	98.23	92.70	103.19	0.00	0.06	0.05	0.05	0.09	0.09
2800.0	100.76	106.26	99.69	0.00	0.06	0.05	0.06	0.09	0.09
2900.0	95.94	99.37	108.35	0.02	0.04	0.03	0.06	0.09	0.09
3000.0	102.74	93.48	101.48	0.03	0.03	0.02	0.06	0.10	0.10
3100.0	108.52	92.73	98.92	0.04	0.03	0.01	0.07	0.10	0.10
3200.0	95.90	104.20	109.90	0.04	0.02	0.01	0.07	0.09	0.10
3300.0	96.63	100.96	105.29	0.07	0.00	0.02	0.07	0.10	0.10
3400.0	111.25	108.94	96.80	0.11	0.04	0.06	0.08	0.10	0.11
3500.0	100.41	101.94	93.46	0.16	0.08	0.10	0.08	0.10	0.11
4000.0	96.66	96.87	100.22	0.37	0.28	0.31	0.09	0.12	0.12
4100.0	111.97	104.67	99.71	0.41	0.31	0.35	0.09	0.11	0.12
4200.0	102.66	104.03	101.94	0.44	0.34	0.38	0.09	0.11	0.12
5000.0	102.41	100.70	100.16	0.30	0.18	0.23	0.08	0.12	0.12
5250.0	106.63	94.89	109.57	0.21	0.11	0.15	0.08	0.11	0.12

Typical Performance Data

FREQ.	GROUP DELAY		
(MHz)	(nsec)		
	@+15°C	@+25°C	@+35°C
1990.0	146.71	132.96	126.16
1990.1	142.02	129.36	123.27
1990.2	137.66	126.14	120.73
1990.3	133.68	123.29	118.48
1990.4	130.07	120.76	116.50
1990.5	126.82	118.51	114.74
1990.6	123.91	116.50	113.16
1990.7	121.32	114.71	111.74
1990.8	119.00	113.09	110.46
1990.9	116.91	111.63	109.29
1991.0	115.04	110.31	108.21
1991.1	113.35	109.09	107.22
1991.2	111.82	107.98	106.31
1991.3	110.43	106.95	105.46
1991.4	109.15	106.01	104.69
1991.5	107.99	105.15	103.98
1991.6	106.91	104.36	103.33
1991.7	105.93	103.65	102.76
1991.8	105.04	103.01	102.26
1991.9	104.23	102.46	101.84
1992.0	103.50	101.99	101.50
1992.1	102.87	101.60	101.24
1992.2	102.31	101.30	101.08
1992.3	101.85	101.09	101.00
1992.4	101.48	100.97	101.02
1992.5	101.20	100.95	101.13
1992.6	101.02	101.02	101.34
1992.7	100.93	101.18	101.64
1992.8	100.93	101.44	102.04
1992.9	101.03	101.79	102.53
1993.0	101.22	102.23	103.11
1994.1	108.64	112.66	115.88
1994.2	109.77	114.23	117.84
1994.3	111.01	115.98	120.03
1994.4	112.37	117.92	122.47
1994.5	113.86	120.09	125.20
1994.6	115.52	122.53	128.26
1994.7	117.37	125.28	131.67
1994.8	119.46	128.37	135.47
1994.9	121.81	131.86	139.66
1995.0	124.49	135.76	144.24