

Cavity Band Pass Filter

ZVBP-4000-S+

Typical Performance Data

FREQ.	INSERTION LOSS	INPUT RETURN LOSS	OUTPUT RETURN LOSS
(MHz)	(dB)	(dB)	(dB)
10	85.73	0.00	0.00
50	80.75	0.01	0.00
100	107.52	0.00	0.00
500	107.08	0.01	0.01
1000	106.17	0.02	0.02
2000	101.44	0.06	0.05
3000	101.66	0.11	0.10
3500	103.50	0.13	0.13
3800	97.81	0.15	0.15
3910	76.03	0.17	0.16
3920	73.39	0.17	0.17
3930	69.48	0.17	0.17
3940	65.58	0.18	0.18
3950	61.02	0.20	0.19
3960	55.37	0.22	0.21
3970	48.00	0.27	0.26
3980	37.83	0.41	0.40
3985	30.78	0.61	0.58
3990	21.31	1.25	1.16
3995	8.99	5.85	5.08
3997	5.59	15.22	11.74
3998	4.79	26.87	16.57
3999	4.40	29.21	21.50
4000	4.22	24.59	27.61
4001	4.19	24.95	33.41
4002	4.31	28.91	25.69
4003	4.63	25.08	19.40
4005	6.53	9.57	8.93
4010	18.38	1.49	1.47
4011	20.71	1.18	1.18
4012	22.90	0.98	0.97
4013	24.94	0.83	0.83
4014	26.85	0.71	0.72
4015	28.63	0.63	0.63
4016	30.32	0.56	0.56
4017	31.90	0.51	0.51
4018	33.41	0.46	0.47
4020	36.16	0.40	0.40
4025	42.03	0.30	0.30
4030	46.86	0.25	0.25
4040	54.37	0.21	0.21
4050	60.31	0.19	0.18
4060	65.02	0.18	0.17
4070	69.04	0.17	0.17
4080	72.57	0.16	0.16
4090	75.60	0.16	0.16
4100	77.71	0.16	0.16
4200	90.99	0.16	0.16
4400	97.74	0.17	0.16
4500	104.01	0.17	0.16
4600	109.96	0.18	0.16
4800	95.66	0.18	0.15
5000	109.33	0.19	0.15
5200	112.01	0.20	0.14
5400	104.07	0.22	0.13
5500	97.93	0.23	0.13
5600	98.58	0.23	0.12
5700	99.70	0.25	0.12
5800	99.21	0.26	0.11
6000	93.30	0.29	0.10

FREQ.	GROUP DELAY
(MHz)	(ns)
3997.0	69.56
3997.2	69.49
3997.3	69.39
3997.4	69.25
3997.5	69.08
3997.6	68.87
3997.7	68.65
3997.8	68.40
3997.9	68.13
3998.0	67.85
3998.1	67.55
3998.2	67.25
3998.3	66.95
3998.4	66.65
3998.5	66.34
3998.6	66.04
3998.7	65.75
3998.8	65.46
3998.9	65.19
3999.0	64.92
3999.1	64.67
3999.2	64.43
3999.3	64.20
3999.4	63.99
3999.5	63.80
3999.6	63.62
3999.7	63.45
3999.8	63.30
3999.9	63.17
4000.0	63.06
4000.1	62.96
4000.2	62.88
4000.3	62.81
4000.4	62.76
4000.5	62.73
4000.6	62.71
4000.7	62.71
4000.8	62.73
4000.9	62.76
4001.0	62.81
4001.1	62.88
4001.2	62.96
4001.3	63.06
4001.4	63.18
4001.5	63.31
4001.6	63.46
4001.7	63.62
4001.8	63.80
4001.9	63.99
4002.0	64.20
4002.1	64.43
4002.2	64.67
4002.3	64.92
4002.4	65.18
4002.5	65.46
4002.6	65.75
4002.7	66.04
4002.8	66.35
4002.9	66.65
4003.0	66.96

