

Cavity Band Pass Filter

ZVBP-1912R5-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	96.22	98.07	108.70	0.02	0.01	0.02	0.03	0.03	0.03
200.0	97.61	90.92	98.47	0.00	0.01	0.01	0.01	0.01	0.01
300.0	87.69	92.52	94.97	0.02	0.03	0.03	0.01	0.01	0.01
500.0	100.28	99.86	101.20	0.00	0.01	0.01	0.03	0.02	0.02
800.0	96.25	92.36	90.79	0.01	0.01	0.01	0.04	0.02	0.03
1000.0	90.15	100.40	95.65	0.02	0.00	0.00	0.07	0.05	0.06
1150.0	96.90	96.90	96.63	0.02	0.01	0.01	0.09	0.07	0.08
1200.0	124.39	96.84	98.13	0.03	0.01	0.02	0.09	0.07	0.08
1250.0	95.20	94.37	95.06	0.03	0.01	0.01	0.09	0.07	0.08
1300.0	93.41	95.72	94.69	0.02	0.01	0.01	0.10	0.08	0.08
1350.0	97.26	96.52	98.09	0.02	0.01	0.01	0.10	0.08	0.08
1400.0	101.54	92.03	92.11	0.02	0.01	0.01	0.10	0.08	0.09
1450.0	89.14	90.52	116.00	0.02	0.01	0.01	0.10	0.08	0.09
1500.0	104.40	103.82	90.77	0.02	0.01	0.01	0.10	0.08	0.09
1600.0	85.66	86.30	87.17	0.02	0.00	0.00	0.10	0.08	0.09
1700.0	87.78	85.04	80.95	0.02	0.00	0.00	0.10	0.09	0.09
1800.0	73.19	73.47	74.01	0.02	0.00	0.00	0.10	0.08	0.08
1900.0	38.91	38.76	38.88	0.09	0.12	0.12	0.01	0.02	0.02
1904.0	39.32	40.30	41.23	0.23	0.28	0.27	0.10	0.15	0.15
1906.2	33.58	30.01	28.52	0.49	0.60	0.61	0.33	0.42	0.44
1907.0	23.71	20.90	19.67	0.75	0.95	0.99	0.54	0.71	0.77
1908.0	13.25	10.72	9.56	1.69	2.42	2.76	1.38	2.01	2.38
1909.0	4.66	3.45	2.94	6.78	10.61	13.55	5.96	9.20	11.56
1910.0	1.84	1.76	1.70	61.75	25.77	20.50	21.24	21.57	18.81
1910.5	1.56	1.56	1.53	24.26	23.70	20.88	22.42	22.18	19.88
1911.0	1.40	1.43	1.40	25.95	29.52	26.54	25.19	26.04	24.50
1911.5	1.31	1.36	1.33	30.99	28.95	29.48	29.84	26.00	26.99
1912.0	1.26	1.33	1.31	24.49	22.44	22.74	24.26	21.86	22.37
1912.5	1.24	1.32	1.31	20.96	20.27	20.40	20.90	20.19	20.33
1913.0	1.24	1.32	1.31	20.41	20.77	20.84	20.41	20.99	20.82
1913.5	1.24	1.33	1.33	22.60	24.10	24.23	22.58	24.90	23.92
1914.0	1.27	1.38	1.39	29.02	28.96	32.42	28.23	30.95	28.70
1914.5	1.34	1.48	1.50	26.80	23.72	27.53	25.98	24.14	25.95
1915.0	1.47	1.65	1.67	20.92	20.53	23.73	21.17	21.73	25.83
1916.2	2.35	3.22	3.75	14.83	10.25	8.34	19.62	12.01	9.34
1917.4	9.65	12.47	13.69	2.39	1.75	1.55	2.60	1.91	1.66
1918.1	16.98	20.00	21.32	1.06	0.91	0.85	1.12	0.95	0.87
1919.0	27.39	31.06	32.91	0.56	0.54	0.52	0.55	0.52	0.49
1920.0	44.96	48.37	46.27	0.36	0.36	0.35	0.31	0.32	0.30
1980.0	63.92	64.36	64.36	0.00	0.02	0.01	0.09	0.08	0.08
2000.0	68.85	69.65	68.91	0.00	0.02	0.02	0.09	0.07	0.07
2200.0	84.81	92.38	96.75	0.00	0.02	0.02	0.09	0.07	0.07
2300.0	84.46	87.04	96.51	0.01	0.02	0.03	0.09	0.07	0.07
2400.0	93.68	90.99	90.20	0.01	0.03	0.03	0.08	0.06	0.06
2500.0	93.76	97.01	96.63	0.02	0.03	0.04	0.08	0.06	0.06
2600.0	89.87	88.31	92.85	0.03	0.04	0.04	0.07	0.05	0.05
2700.0	99.45	94.29	90.60	0.02	0.04	0.04	0.07	0.04	0.05
2800.0	90.33	94.42	90.65	0.01	0.03	0.03	0.07	0.05	0.05
2900.0	87.51	95.51	92.43	0.00	0.02	0.02	0.07	0.05	0.05
3000.0	100.47	100.41	86.71	0.01	0.01	0.01	0.07	0.05	0.05
3100.0	98.58	96.78	104.31	0.01	0.01	0.01	0.07	0.04	0.05
3200.0	99.19	101.61	91.40	0.01	0.01	0.01	0.08	0.05	0.06
3300.0	86.46	93.31	100.84	0.01	0.02	0.02	0.08	0.06	0.06
3400.0	95.56	90.95	94.05	0.01	0.03	0.03	0.09	0.07	0.07
3500.0	90.95	96.52	95.35	0.01	0.02	0.02	0.09	0.07	0.07
4000.0	92.35	101.94	91.52	0.01	0.03	0.03	0.12	0.09	0.10
4100.0	91.75	104.26	103.03	0.01	0.03	0.03	0.12	0.09	0.10
4200.0	92.40	107.80	93.79	0.00	0.01	0.01	0.12	0.09	0.10
5000.0	94.03	100.67	94.00	0.06	0.04	0.04	0.15	0.12	0.13
5250.0	92.81	98.36	96.06	0.06	0.04	0.04	0.14	0.11	0.11

Typical Performance Data

FREQ.	GROUP DELAY		
(MHz)	(nsec)		
	@+15°C	@+25°C	@+35°C
1910.0	153.97	140.22	134.46
1910.1	148.98	136.06	130.72
1910.2	144.21	132.27	127.37
1910.3	139.75	128.84	124.41
1910.4	135.63	125.77	121.79
1910.5	131.88	123.02	119.47
1910.6	128.50	120.57	117.42
1910.7	125.47	118.38	115.60
1910.8	122.76	116.42	113.97
1910.9	120.34	114.66	112.50
1911.0	118.17	113.07	111.18
1911.1	116.23	111.63	109.97
1911.2	114.48	110.32	108.87
1911.3	112.90	109.12	107.85
1911.4	111.46	108.02	106.92
1911.5	110.15	107.02	106.06
1911.6	108.96	106.10	105.27
1911.7	107.86	105.26	104.55
1911.8	106.86	104.50	103.91
1911.9	105.94	103.82	103.33
1912.0	105.11	103.23	102.83
1912.1	104.36	102.71	102.41
1912.2	103.69	102.28	102.06
1912.3	103.11	101.94	101.80
1912.4	102.62	101.70	101.64
1912.5	102.21	101.54	101.56
1912.6	101.90	101.47	101.57
1912.7	101.68	101.50	101.69
1912.8	101.55	101.63	101.89
1912.9	101.51	101.85	102.19
1913.0	101.57	102.16	102.58
1913.5	103.22	105.00	105.91
1913.8	105.21	107.68	109.00
1914.0	106.93	109.88	111.57
1914.1	107.90	111.14	113.04
1914.2	108.96	112.51	114.65
1914.3	110.10	114.01	116.43
1914.4	111.36	115.67	118.40
1914.5	112.72	117.51	120.58
1914.6	114.22	119.56	123.02
1915.0	122.12	130.62	135.89