

Coaxial Bandpass Filter

ZAFBP-2100-S+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(dB)			(dB)			(dB)		
	@-55°C	@+25°C	@+100°C	@-55°C	@+25°C	@+100°C	@-55°C	@+25°C	@+100°C
0.3	74.71	86.68	87.37	0.06	0.03	0.03	0.01	0.01	0.00
5.0	88.42	89.46	90.83	0.00	0.01	0.02	0.00	0.02	0.03
10.0	86.05	92.15	89.06	0.00	0.00	0.02	0.02	0.04	0.05
50.0	85.67	73.15	72.60	0.04	0.06	0.07	0.05	0.08	0.11
100.0	68.21	69.11	68.47	0.08	0.09	0.09	0.06	0.08	0.09
200.0	62.87	62.59	62.63	0.07	0.11	0.13	0.13	0.18	0.18
300.0	58.84	59.54	59.46	0.09	0.13	0.16	0.07	0.12	0.16
400.0	56.11	56.65	56.28	0.08	0.13	0.16	0.17	0.22	0.23
500.0	54.26	54.34	54.22	0.08	0.14	0.18	0.07	0.12	0.17
600.0	52.68	52.84	52.21	0.08	0.12	0.17	0.16	0.24	0.26
700.0	51.07	51.10	51.31	0.08	0.16	0.20	0.06	0.15	0.18
800.0	49.64	49.66	49.49	0.06	0.16	0.21	0.15	0.24	0.26
900.0	48.25	48.50	48.13	0.08	0.16	0.21	0.04	0.16	0.19
1000.0	47.05	47.14	47.12	0.05	0.14	0.22	0.13	0.23	0.28
1200.0	44.59	44.79	44.72	0.03	0.16	0.24	0.12	0.23	0.29
1500.0	40.37	40.31	40.45	0.04	0.19	0.29	0.05	0.21	0.32
1600.0	38.51	38.48	38.52	0.10	0.24	0.35	0.14	0.30	0.41
1700.0	35.77	35.67	35.75	0.14	0.32	0.45	0.13	0.33	0.44
1750.0	33.79	33.62	33.60	0.20	0.40	0.53	0.28	0.49	0.60
1800.0	30.71	30.46	30.35	0.29	0.51	0.66	0.36	0.58	0.70
1850.0	25.88	25.31	25.01	0.50	0.78	0.96	0.53	0.79	0.96
1900.0	17.56	16.60	15.92	1.17	1.67	1.99	1.24	1.71	2.07
1950.0	5.89	5.59	5.49	7.34	9.88	11.70	8.84	12.59	15.78
2000.0	3.14	3.64	3.94	28.25	32.76	29.93	21.78	21.23	20.17
2020.0	3.05	3.60	3.92	23.35	21.77	20.60	20.84	20.47	19.63
2040.0	3.06	3.61	3.95	21.51	21.75	21.61	22.55	23.97	24.31
2045.0	3.07	3.62	3.96	22.03	22.40	22.40	24.65	26.95	27.74
2050.0	3.08	3.66	4.01	22.67	22.93	22.93	28.27	31.62	32.40
2060.0	3.15	3.74	4.09	23.39	22.87	22.56	35.42	29.52	27.51
2065.0	3.17	3.78	4.15	22.94	22.17	21.83	29.17	25.80	24.59
2070.0	3.23	3.86	4.20	22.12	21.42	21.12	25.58	23.59	22.81
2075.0	3.28	3.90	4.27	21.27	20.83	20.67	23.50	22.31	21.81
2080.0	3.34	3.97	4.32	20.67	20.57	20.58	22.25	21.72	21.39
2090.0	3.44	4.05	4.42	20.61	21.35	21.67	21.28	21.90	21.81
2095.0	3.48	4.11	4.47	21.25	22.56	23.02	21.34	22.45	22.54
2100.0	3.52	4.15	4.51	22.35	24.33	24.96	21.83	23.54	23.81
2110.0	3.60	4.23	4.61	26.65	30.08	31.01	24.49	27.30	27.99
2115.0	3.65	4.30	4.65	29.80	31.05	31.15	26.55	28.94	29.41
2120.0	3.70	4.34	4.71	30.58	28.18	27.98	27.92	28.13	28.15
2130.0	3.81	4.45	4.82	24.49	23.12	23.36	24.48	23.58	23.77
2140.0	3.89	4.54	4.94	20.74	20.73	21.48	21.20	21.23	21.75
2145.0	3.95	4.60	5.02	19.86	20.36	21.42	20.41	20.83	21.46
2150.0	4.00	4.67	5.09	19.47	20.44	21.73	20.05	20.84	21.44
2200.0	5.81	7.22	8.31	28.35	27.89	26.47	20.38	17.47	15.35
2240.0	16.83	19.93	22.25	7.00	5.88	5.26	5.23	4.64	4.31
2250.0	21.62	24.76	26.85	4.58	4.11	3.86	3.74	3.49	3.35
2280.0	36.06	38.88	40.71	1.88	1.93	1.98	1.67	1.75	1.82
2300.0	45.18	47.91	49.73	1.24	1.39	1.49	1.20	1.35	1.45
2340.0	63.51	66.32	67.75	0.69	0.88	1.02	0.63	0.84	0.97
2360.0	68.72	69.11	66.96	0.55	0.75	0.91	0.58	0.79	0.93
2400.0	61.46	59.91	59.87	0.38	0.59	0.75	0.34	0.58	0.73
2480.0	51.64	51.29	52.18	0.23	0.46	0.62	0.25	0.46	0.62
2500.0	51.28	50.71	50.98	0.22	0.43	0.61	0.29	0.51	0.67
2800.0	47.60	47.78	48.53	0.13	0.36	0.56	0.09	0.34	0.53
2900.0	48.91	49.35	49.57	0.11	0.34	0.52	0.16	0.40	0.58
3000.0	50.03	50.41	50.93	0.10	0.34	0.53	0.07	0.32	0.50
3500.0	56.41	56.69	57.07	0.09	0.33	0.51	0.12	0.37	0.54
4000.0	68.04	67.06	67.99	0.08	0.34	0.51	0.05	0.31	0.48
5000.0	39.84	39.68	40.00	0.12	0.51	0.78	0.06	0.45	0.72

Typical Performance Data

FREQ.	GROUP DELAY		
(MHz)	(nsec)		
	@-40°C	@+25°C	@+85°C
2050	6.84	6.83	6.83
2055	6.84	6.84	6.85
2060	6.85	6.86	6.87
2065	6.86	6.88	6.90
2070	6.89	6.91	6.93
2075	6.91	6.94	6.96
2080	6.94	6.97	7.00
2085	6.97	7.01	7.04
2090	7.01	7.05	7.08
2095	7.05	7.09	7.13
2100	7.09	7.14	7.18
2105	7.13	7.19	7.24
2110	7.18	7.24	7.30
2115	7.24	7.30	7.36
2120	7.29	7.37	7.44
2125	7.36	7.45	7.52
2130	7.44	7.54	7.61
2135	7.52	7.63	7.72
2140	7.62	7.74	7.83
2145	7.73	7.86	7.97
2150	7.85	7.99	8.11