Coaxial Band Pass Filter ZAFBP-3200-S+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURN LOSS (dB)		
	@-55°C	@+25°C	@+100°C	@-55°C	@+25°C	@+100°C	@-55°C	@+25°C	@+100°C
10.0	93.75	92.84	95.02	0.01	0.00	0.00	0.02	0.00	0.01
50.0	79.64	81.65	80.33	0.02	0.03	0.03	0.01	0.02	0.04
100.0	74.85	75.47	74.76	0.05	0.05	0.05	0.03	0.04	0.04
500.0	60.80	60.93	60.79	0.12	0.16	0.17	0.07	0.15	0.18
600.0	58.91	59.01	59.08	0.13	0.16	0.19	0.06	0.15	0.19
800.0	56.06	56.03	56.10	0.13	0.17	0.20	0.05	0.16	0.21
1000.0	53.52	53.46	53.49	0.13	0.17	0.21	0.03	0.16	0.22
1200.0	51.06	51.01	51.00	0.12	0.17	0.21	0.01	0.15	0.22
1500.0	47.46	47.43	47.42	0.12	0.18	0.23	0.01	0.16	0.24
1600.0	46.32	46.28	46.26	0.11	0.18	0.23	0.01	0.16	0.25
1800.0	44.17	44.06	44.15	0.11	0.19	0.25	0.02	0.17	0.28
1900.0	43.27	43.08	43.22	0.12	0.20	0.26	0.02	0.19	0.30
2000.0	42.54	42.34	42.52	0.12	0.20	0.28	0.02	0.19	0.31
2100.0	42.04	41.80	42.04	0.13	0.22	0.29	0.02	0.20	0.34
2200.0	41.74	41.57	41.84	0.13	0.23	0.31	0.01	0.22	0.35
2300.0	41.73	41.55	41.79	0.14	0.24	0.33	0.02	0.23	0.38
2400.0	41.69	41.59	41.85	0.14	0.25	0.36	0.01	0.24	0.39
2500.0	41.39	41.37	41.49	0.15	0.27	0.39	0.00	0.26	0.44
2600.0	40.29	40.30	40.26	0.18	0.31	0.44	0.03	0.30	0.49
2700.0	37.52	37.32	37.17	0.25	0.39	0.55	0.08	0.39	0.61
2800.0	31.96	31.39	31.13	0.43	0.61	0.82	0.25	0.60	0.85
2850.0	27.63	26.85	26.43	0.63	0.89	1.14	0.46	0.86	1.17
2900.0	21.89	20.78	20.14	1.14	1.57	1.99	0.95	1.51	1.99
2950.0	14.27	13.04	12.39	2.84	3.87	4.81	2.60	3.77	4.80
3000.0	6.95	6.70	6.72	8.02	9.12	10.05	8.49	9.71	10.53
3020.0	5.26	5.33	5.53	9.79	11.06	12.63	10.73	11.67	12.67
3040.0	4.12	4.39	4.73	12.48	15.23	18.94	13.08	14.53	15.82
3050.0	3.70	4.05	4.45	15.11	19.53	26.71	14.89	16.28	17.12
3080.0	2.97	3.51	4.04	28.59	22.04	19.52	17.58	16.73	16.69
3100.0	2.79	3.37	3.92	18.39	17.64	17.63	16.17	16.73	17.97
3110.0	2.73	3.33	3.89	17.24	17.46	17.96	16.45	17.96	20.07
3120.0	2.69	3.30	3.88	17.16	17.99	18.60	17.74	20.48	23.85
3130.0	2.66	3.29	3.89	17.87	18.82	18.99	20.58	25.35	29.34
3140.0	2.66	3.31	3.93	18.91	19.22	18.58	26.54	31.15	25.92
3150.0	2.68	3.36	3.99	19.29	18.51	17.49	34.08	24.18	20.88
3160.0	2.73	3.43	4.07	18.36	17.14	16.28	23.50	19.47	17.88
3170.0	2.81	3.51	4.15	16.78	15.80	15.31	18.74	16.80	16.08
3180.0	2.89	3.59	4.22	15.39	14.88	14.77	16.06	15.20	15.04
3190.0	2.97	3.65	4.26	14.45	14.43	14.68	14.51	14.38	14.61
3200.0	3.03	3.68	4.29	14.03	14.51	15.12	13.74	14.19	14.76
3210.0	3.06	3.70	4.30	14.12	15.14	16.13	13.62	14.61	15.52
3220.0	3.07	3.69	4.29	14.80	16.43	17.87	14.11	15.69	16.99
3230.0	3.06	3.68	4.28	16.17	18.55	20.50	15.25	17.50	19.18
3240.0	3.04	3.67	4.28	18.51	21.71	23.65	17.23	20.25	21.92
3250.0	3.02	3.68	4.31	22.18	24.74	24.06	20.34	23.46	23.19
3260.0	3.03	3.71	4.36	25.70	23.15	21.12	23.88	23.45	21.17
3270.0	3.06	3.75	4.42	22.66	19.70	18.46	22.76	20.29	18.59
3280.0	3.11	3.82	4.50	18.82	17.29	16.84	19.11	17.64	16.74
3290.0	3.17	3.89	4.58	16.44	15.92	16.12	16.53	15.94	15.66
3300.0	3.24	3.96	4.67	15.15	15.38	16.18	15.01	15.03	15.19
3400.0	6.59	8.26	10.01	14.48	14.51	14.43	11.28	11.01	11.00
3500.0	22.33	24.68	26.67	3.32	3.17	3.14	2.92	3.10	3.25
3520.0	26.30	28.59	30.46	2.37	2.36	2.42	2.13	2.38	2.53
3540.0	30.14	32.37	34.12	1.76	1.82	1.93	1.59	1.87	2.05
3550.0	32.00	34.22	35.89	1.53	1.62	1.74	1.37	1.68	1.86
3600.0	40.75	42.86	44.45	0.88	1.02	1.18	0.73	1.06	1.30
3700.0	59.28	62.83	66.77	0.41	0.58	0.75	0.23	0.60	0.87
4000.0	58.53	58.46	58.94	0.15	0.33	0.52	0.05	0.34	0.64
4500.0	67.21	66.83	69.70	0.11	0.31	0.53	0.08	0.34	0.66
5000.0	43.57	43.88	44.35	0.16	0.37	0.59	0.04	0.40	0.72
5500.0	41.26	41.79	42.28	0.15	0.36	0.57	0.07	0.38	0.72
6000.0	41.14	41.55	41.84	0.14	0.34	0.55	0.12	0.34	0.68
6500.0	42.45	42.57	42.95	0.12	0.31	0.50	0.19	0.30	0.66
7000.0	46.16	46.42	46.72	0.12	0.32	0.47	0.21	0.30	0.65
7500.0	48.96	49.79	50.27	0.14	0.36	0.50	0.22	0.34	0.71
8000.0	50.10	50.01	50.23	0.19	0.42	0.58	0.15	0.41	0.78
8500.0	36.67	35.24	34.56	0.52	0.87	1.17	0.20	0.85	1.28

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@-55°C	@+25°C	@+100°C
3100.0	4.55	4.47	4.43
3105.0	4.52	4.45	4.41
3110.0	4.49	4.43	4.39
3115.0	4.46	4.41	4.37
3120.0	4.44	4.39	4.35
3125.0	4.42	4.37	4.34
3130.0	4.40	4.36	4.32
3135.0	4.38	4.34	4.31
3140.0	4.37	4.33	4.29
3145.0	4.35	4.31	4.28
3150.0	4.34	4.30	4.27
3155.0	4.32	4.28	4.25
3160.0	4.30	4.27	4.24
3165.0	4.29	4.25	4.23
3170.0	4.27	4.24	4.22
3175.0	4.26	4.23	4.22
3180.0	4.24	4.22	4.21
3185.0	4.23	4.22	4.21
3190.0	4.22	4.21	4.22
3195.0	4.22	4.22	4.23
3200.0	4.22	4.22	4.24
3205.0	4.22	4.24	4.26
3210.0	4.22	4.25	4.27
3215.0	4.23	4.26	4.29
3220.0	4.25	4.28	4.32
3225.0	4.27	4.31	4.34
3230.0	4.29	4.33	4.36
3235.0	4.31	4.35	4.39
3240.0	4.34	4.38	4.41
3245.0	4.36	4.40	4.44
3250.0	4.39	4.43	4.46
3255.0	4.41	4.45	4.48
3260.0	4.44	4.47	4.50
3265.0	4.46	4.49	4.52
3270.0	4.48	4.51	4.54
3275.0	4.50	4.53	4.57
3280.0	4.51	4.55	4.59
3285.0	4.54	4.58	4.62
3290.0	4.56	4.60	4.64
3295.0	4.58	4.63	4.68
3300.0	4.61	4.66	4.71