Coaxial Band Pass Filter ZX75BP-B70-S+

Typical Performance Data

FREQ.	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
(MHz)	(dB)			(dB)			(dB)		
	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C
1	97.16	100.51	111.44	0.00	0.00	0.00	0.00	0.00	0.00
5	78.45	78.84	79.16	0.00	0.00	0.00	0.02	0.02	0.03
7	70.68	70.69	70.33	0.00	0.00	0.00	0.03	0.04	0.05
9	64.92	64.59	64.62	0.01	0.01	0.01	0.06	0.07	0.08
11	60.52	60.48	60.33	0.01	0.01	0.01	0.09	0.11	0.13
15	55.73	55.73	55.69	0.02	0.02	0.02	0.19	0.22	0.25
21	58.99	58.13	57.75	0.04	0.04	0.05	0.37	0.44	0.48
23	46.07	45.85	45.67	0.05	0.06	0.06	0.44	0.50	0.56
25	38.63	38.47	38.33	0.06	0.08	0.08	0.49	0.57	0.62
27	32.85	32.73	32.62	0.09	0.10	0.11	0.54	0.62	0.68
29	27.95	27.84	27.74	0.12	0.14	0.15	0.59	0.67	0.73
31	23.55	23.46	23.37	0.17	0.20	0.21	0.63	0.71	0.77
33	19.50	19.41	19.33	0.25	0.29	0.31	0.70	0.78	0.85
35	15.67	15.59	15.51	0.39	0.45	0.49	0.81	0.91	0.98
40	7.06	7.03	6.98	1.70	1.85	1.96	2.03	2.21	2.35
43	3.29	3.32	3.33	4.45	4.72	4.93	4.77	5.09	5.34
45	1.82	1.89	1.93	7.94	8.28	8.56	8.36	8.81	9.19
50	0.72	0.83	0.90	22.33	21.83	21.61	29.70	30.31	30.78
52	0.66	0.76	0.83	22.94	22.39	22.04	25.14	24.37	23.84
60	0.57	0.65	0.71	27.72	28.22	28.40	22.79	22.22	21.84
70	0.59	0.67	0.72	21.67	21.33	20.97	21.66	21.25	20.85
80	0.66	0.73	0.78	23.23	24.34	25.03	22.92	23.87	24.53
88	0.84	0.93	0.99	19.90	19.96	19.94	20.79	20.94	20.95
90	0.92	1.01	1.08	18.83	18.79	18.73	19.74	19.80	19.76
95	1.14	1.24	1.32	23.28	23.48	23.71	23.33	23.66	23.99
100	2.11	2.28	2.44	12.36	12.07	11.74	11.57	11.24	10.95
102	3.42	3.68	3.91	7.14	6.99	6.82	6.86	6.68	6.51
105	6.97	7.33	7.66	3.20	3.21	3.19	3.17	3.15	3.12
108	11.73	12.14	12.50	1.69	1.76	1.80	1.75	1.79	1.82
110	15.16	15.57	15.95	1.25	1.34	1.39	1.33	1.39	1.43
115	24.09	24.52	24.92	0.81	0.90	0.95	0.89	0.96	1.00
118	29.95	30.42	30.85	0.70	0.79	0.84	0.77	0.84	0.88
120	34.36	34.87	35.36	0.65	0.74	0.79	0.72	0.78	0.82
150	49.67	49.97	50.23	0.49	0.56	0.60	0.38	0.43	0.46
175	56.42	56.35	56.31	0.46	0.52	0.55	0.27	0.32	0.34
180	54.07	54.12	54.20	0.45	0.51	0.54	0.26	0.30	0.33
185	52.70	52.71	52.79	0.44	0.50	0.53	0.25	0.29	0.31
190	51.82	51.85	51.93	0.43	0.49	0.52	0.23	0.28	0.30
200	50.95	50.95	51.05	0.41	0.47	0.50	0.21	0.25	0.27
250	52.57	52.56	52.58	0.30	0.36	0.39	0.14	0.18	0.20
500	77.08	76.39	76.51	0.12	0.19	0.22	0.05	0.09	0.11
750	85.25	85.82	85.84	0.11	0.21	0.25	0.03	0.08	0.10
800	89.85	86.41	89.42	0.12	0.22	0.26	0.04	0.09	0.12
1000	85.12	85.59	84.64	0.14	0.25	0.31	0.03	0.10	0.13
1200	74.02	73.43	73.41	0.18	0.31	0.37	0.04	0.12	0.16
1400	76.17	77.08	77.41	0.21	0.34	0.40	0.03	0.13	0.17
1600	83.14	86.14	85.90	0.24	0.38	0.45	0.04	0.15	0.19
1800	89.70	87.90	89.66	0.26	0.40	0.47	0.05	0.16	0.21
2000	92.45	92.70	89.35	0.27	0.41	0.47	0.06	0.19	0.24
2200	89.69	91.23	85.22	0.28	0.41	0.47	0.06	0.19	0.26
2400	72.19	69.02	70.07	0.61	1.24	1.05	0.08	0.22	0.28
2500	97.80	92.52	89.65	0.75	0.87	0.80	0.08	0.22	0.29
2800	76.58	76.40	74.80	0.33	0.48	0.55	0.10	0.25	0.33
3000	72.74	72.40	71.37	0.47	0.66	0.74	0.11	0.27	0.34
3200	60.29	57.69	58.27	4.11	5.36	5.80	0.12	0.29	0.36
3400	53.15	53.75	54.17	0.80	0.91	1.03	0.14	0.31	0.38
3600	55.80	56.90	57.55	0.51	0.70	0.80	0.15	0.32	0.39
3750	60.35	56.73	57.17	7.33	5.53	5.84	0.17	0.36	0.43
3800	56.41	57.03	57.25	1.78	1.42	1.61	0.21	0.36	0.43
4000	59.65	60.26	59.76	0.73	1.07	1.23	0.18	0.35	0.43

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@-40°C	@+25°C	@+85°C
52	23.46	23.32	23.22
53	22.31	22.20	22.11
54	21.33	21.25	21.18
55	20.51	20.45	20.40
56	19.82	19.78	19.75
57	19.25	19.21	19.18
58	18.75	18.72	18.69
59	18.32	18.29	18.28
60	17.94	17.91	17.90
61	17.59	17.58	17.56
62	17.30	17.28	17.26
63	17.03	17.01	17.00
64	16.78	16.76	16.76
65	16.56	16.54	16.53
66	16.37	16.35	16.35
67	16.19	16.18	16.18
68	16.04	16.03	16.03
69	15.92	15.91	15.91
70	15.82	15.82	15.83
71	15.74	15.74	15.76
72	15.69	15.70	15.72
73	15.66	15.68	15.70
74	15.65	15.69	15.71
75	15.68	15.71	15.75
76	15.73	15.78	15.81
77	15.82	15.86	15.90
78	15.92	15.97	16.02
79	16.04	16.08	16.14
80	16.19	16.25	16.30
81	16.36	16.41	16.47
82	16.54	16.61	16.66
83	16.75	16.81	16.88
84	16.98	17.04	17.10
85	17.23	17.29	17.36
86	17.51	17.57	17.64
87	17.80	17.87	17.95
88	18.17	18.24	18.32