

Coaxial Band Stop Filter

ZX75BS-4768-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
0.5	0.01	0.02	0.02	47.88	46.81	46.60	48.04	47.03	46.75
1.0	0.01	0.02	0.02	42.23	41.73	41.48	42.31	41.78	41.54
5.0	0.03	0.04	0.04	28.74	28.35	28.14	28.82	28.41	28.18
10.0	0.06	0.06	0.07	23.20	22.88	22.70	23.28	22.94	22.74
12.0	0.07	0.08	0.08	21.88	21.60	21.42	21.95	21.65	21.47
14.0	0.08	0.09	0.10	20.87	20.63	20.46	20.96	20.67	20.53
16.0	0.09	0.10	0.10	20.14	19.95	19.82	20.23	20.01	19.87
18.0	0.10	0.11	0.11	19.68	19.55	19.45	19.78	19.62	19.51
20.0	0.11	0.12	0.12	19.53	19.46	19.40	19.62	19.54	19.47
22.0	0.12	0.13	0.14	19.75	19.78	19.79	19.83	19.84	19.84
24.0	0.12	0.13	0.14	20.44	20.60	20.70	20.53	20.66	20.79
26.0	0.13	0.15	0.15	21.82	22.18	22.44	21.91	22.27	22.53
28.0	0.14	0.17	0.17	24.15	24.91	25.45	24.23	24.99	25.58
30.0	0.17	0.20	0.21	27.27	28.55	29.58	27.29	28.68	29.81
32.0	0.22	0.26	0.29	27.63	28.59	29.18	27.30	28.32	28.91
34.0	0.37	0.41	0.45	20.64	20.91	21.01	20.25	20.50	20.52
36.0	1.02	1.12	1.22	10.29	10.21	10.10	10.12	10.03	9.88
38.0	4.68	4.95	5.21	2.99	2.97	2.94	2.91	2.88	2.83
40.0	13.41	13.80	14.17	0.82	0.87	0.91	0.77	0.81	0.84
42.0	25.05	25.50	25.90	0.45	0.50	0.55	0.42	0.47	0.50
44.0	40.86	41.58	42.19	0.36	0.41	0.44	0.34	0.38	0.41
46.0	59.71	59.62	59.39	0.32	0.35	0.39	0.30	0.34	0.36
47.0	58.51	58.91	59.45	0.30	0.34	0.37	0.29	0.33	0.34
48.0	67.76	67.96	68.81	0.29	0.32	0.35	0.28	0.31	0.34
49.0	60.82	59.85	59.41	0.27	0.31	0.34	0.27	0.30	0.33
50.0	53.91	53.82	53.44	0.27	0.30	0.33	0.26	0.29	0.32
51.0	51.23	50.99	50.71	0.26	0.28	0.32	0.25	0.28	0.31
52.0	50.07	49.79	49.66	0.24	0.28	0.31	0.25	0.28	0.30
54.0	50.59	50.62	50.63	0.24	0.27	0.30	0.24	0.27	0.30
55.0	51.90	52.08	52.34	0.24	0.27	0.29	0.24	0.27	0.29
56.0	54.71	55.12	55.76	0.25	0.29	0.32	0.23	0.27	0.29
58.0	81.56	80.70	79.05	0.30	0.33	0.35	0.23	0.26	0.29
59.0	66.54	67.41	68.92	0.24	0.27	0.30	0.23	0.27	0.29
60.0	61.90	62.29	61.79	0.23	0.26	0.29	0.23	0.27	0.30
61.0	60.64	59.91	60.00	0.24	0.27	0.29	0.23	0.26	0.29
62.0	60.33	59.74	60.10	0.23	0.27	0.29	0.23	0.27	0.30
64.0	67.63	69.95	69.90	0.23	0.27	0.30	0.24	0.28	0.31
65.0	68.23	66.42	65.80	0.24	0.27	0.31	0.25	0.29	0.32
66.0	58.94	57.92	57.59	0.25	0.29	0.32	0.25	0.30	0.34
68.0	51.77	51.34	51.09	0.26	0.30	0.34	0.27	0.32	0.36
70.0	51.59	51.89	51.97	0.29	0.34	0.37	0.31	0.36	0.40
74.0	35.90	35.46	35.10	0.38	0.43	0.49	0.43	0.49	0.53
78.0	18.94	18.76	18.58	0.66	0.74	0.82	0.76	0.84	0.90
80.0	12.70	12.59	12.48	1.10	1.21	1.32	1.26	1.37	1.46
84.0	3.85	3.91	3.94	4.80	5.04	5.25	5.30	5.49	5.66
88.0	1.12	1.20	1.26	15.33	15.83	16.27	18.06	18.69	19.19
90.0	0.82	0.89	0.95	20.35	21.04	21.55	25.96	28.34	30.65
94.0	0.60	0.66	0.71	21.44	21.17	20.98	22.05	21.80	21.55
95.0	0.57	0.63	0.67	21.62	21.20	20.89	21.86	21.46	21.11
97.0	0.51	0.56	0.61	22.58	21.85	21.35	22.31	21.62	21.09
98.0	0.48	0.53	0.57	23.29	22.41	21.82	22.84	22.00	21.38
99.0	0.46	0.51	0.55	24.22	23.14	22.42	23.55	22.52	21.80
100.0	0.44	0.49	0.52	25.32	24.01	23.15	24.39	23.16	22.31
150.0	0.24	0.26	0.27	18.21	18.47	18.64	18.18	18.42	18.49
200.0	0.18	0.21	0.22	17.87	18.04	18.10	17.83	18.05	18.15
300.0	0.13	0.18	0.20	20.03	18.86	18.26	19.92	18.81	18.24
500.0	0.12	0.18	0.22	20.22	19.15	18.11	20.10	19.08	18.06
700.0	0.12	0.20	0.23	18.93	18.33	17.57	18.79	18.22	17.48
800.0	0.15	0.22	0.27	18.13	17.75	17.20	17.96	17.65	17.13
1000.0	0.24	0.36	0.40	17.03	16.59	16.45	16.93	16.47	16.32

Typical Performance Data

FREQ.	GROUP DELAY-1		
(MHz)	(ns)		
	@-40°C	@+25°C	@+85°C
0.5	7.54	7.55	7.50
1.0	7.58	7.63	7.49
1.5	7.56	7.61	7.50
2.0	7.64	7.64	7.61
2.5	7.66	7.67	7.66
3.0	7.70	7.69	7.69
4.0	7.78	7.78	7.81
5.0	7.82	7.85	7.87
6.0	7.93	7.91	7.89
7.0	8.03	7.96	8.04
8.0	8.09	8.09	8.09
9.0	8.25	8.21	8.27
10.0	8.38	8.36	8.36
11.0	8.58	8.56	8.56
12.0	8.77	8.73	8.74
13.0	8.96	8.96	8.97
14.0	9.23	9.23	9.24
15.0	9.50	9.51	9.52
16.0	9.85	9.86	9.82
17.0	10.21	10.24	10.21
18.0	10.64	10.63	10.64
19.0	11.10	11.12	11.14
20.0	11.67	11.67	11.70
21.0	12.24	12.26	12.28
22.0	12.96	12.95	13.01
23.0	13.72	13.74	13.79
24.0	14.63	14.63	14.67
25.0	15.68	15.70	15.76
26.0	16.88	16.92	16.99
27.0	18.27	18.33	18.41
28.0	19.92	19.99	20.10
29.0	21.95	22.02	22.13
30.0	24.36	24.48	24.62
31.0	27.39	27.55	27.73
32.0	31.37	31.58	31.82

FREQ.	GROUP DELAY-2		
(MHz)	(ns)		
	@-40°C	@+25°C	@+85°C
95.0	14.07	13.93	13.82
96.0	12.98	12.87	12.78
97.0	12.06	11.94	11.87
98.0	11.23	11.13	11.06
99.0	10.52	10.43	10.38
100.0	9.93	9.84	9.74
101.0	9.35	9.26	9.20
102.0	8.84	8.75	8.70
103.0	8.38	8.27	8.24
104.0	7.93	7.87	7.84
105.0	7.56	7.47	7.44
106.0	7.20	7.16	7.13
107.0	6.88	6.80	6.76
108.0	6.56	6.52	6.47
109.0	6.29	6.23	6.21
110.0	6.00	5.96	5.92
111.0	5.75	5.73	5.67
112.0	5.53	5.50	5.44
113.0	5.28	5.26	5.22
114.0	5.10	5.07	5.05
115.0	4.90	4.86	4.85
120.0	4.07	4.07	4.03
130.0	3.04	3.02	3.01
140.0	2.38	2.35	2.33
160.0	1.61	1.58	1.57
180.0	1.20	1.17	1.15
200.0	0.93	0.92	0.90
300.0	0.45	0.43	0.43
400.0	0.34	0.32	0.30
500.0	0.25	0.23	0.23
600.0	0.23	0.21	0.20
700.0	0.21	0.19	0.18
800.0	0.20	0.19	0.17
900.0	0.19	0.17	0.16
1000.0	0.19	0.17	0.16