

Coaxial Band Stop Filter

ZX75BS-75-S+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(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	50.66	49.45	48.14	50.79	49.56	48.27
1.0	0.01	0.02	0.02	46.08	45.35	44.69	46.21	45.47	44.79
3.0	0.02	0.02	0.03	37.53	36.96	36.48	37.54	36.95	36.50
5.0	0.03	0.04	0.05	33.37	32.79	32.37	33.40	32.83	32.41
10.0	0.05	0.06	0.06	27.73	27.21	26.83	27.74	27.22	26.84
15.0	0.08	0.09	0.09	24.44	24.01	23.67	24.46	24.01	23.68
20.0	0.08	0.10	0.11	22.25	21.88	21.62	22.26	21.89	21.61
25.0	0.10	0.13	0.14	20.79	20.52	20.32	20.78	20.52	20.31
30.0	0.14	0.15	0.17	20.10	19.97	19.85	20.10	19.92	19.86
35.0	0.16	0.18	0.19	20.59	20.64	20.69	20.56	20.60	20.69
40.0	0.19	0.22	0.24	23.94	24.51	25.00	23.86	24.38	24.92
41.0	0.20	0.23	0.26	25.48	26.28	27.07	25.39	26.08	26.82
42.0	0.21	0.24	0.27	27.72	28.93	30.16	27.50	28.53	29.61
43.0	0.23	0.26	0.29	31.24	33.38	35.55	30.73	32.24	33.60
44.0	0.26	0.29	0.32	37.80	41.63	40.73	35.85	36.82	35.80
45.0	0.28	0.32	0.36	40.52	35.83	32.68	37.40	33.88	31.27
46.0	0.32	0.37	0.41	31.87	29.36	27.57	31.31	28.82	27.03
47.0	0.36	0.41	0.46	27.29	25.63	24.37	27.08	25.36	24.08
48.0	0.41	0.47	0.53	24.52	23.24	22.28	24.40	23.07	22.07
50.0	0.55	0.62	0.69	22.72	21.77	21.11	22.51	21.55	20.83
52.0	0.77	0.85	0.96	34.11	32.75	32.54	29.32	28.67	27.57
54.0	1.77	1.97	2.22	11.23	10.94	10.63	11.19	10.90	10.50
55.0	3.59	3.94	4.35	5.89	5.74	5.61	5.90	5.74	5.56
57.0	11.66	12.25	12.86	1.76	1.83	1.90	1.76	1.82	1.87
58.0	17.10	17.73	18.38	1.23	1.32	1.40	1.22	1.30	1.37
60.0	29.96	30.72	31.50	0.84	0.93	1.01	0.85	0.93	1.00
62.0	50.14	51.71	52.89	0.70	0.78	0.85	0.70	0.78	0.84
64.0	57.64	56.95	57.25	0.61	0.69	0.75	0.61	0.69	0.74
65.0	63.26	62.15	61.87	0.58	0.64	0.71	0.57	0.65	0.70
66.0	60.11	59.04	58.09	0.55	0.61	0.67	0.55	0.62	0.67
68.0	50.36	49.96	49.99	0.50	0.56	0.62	0.51	0.58	0.63
70.0	48.52	48.45	48.30	0.46	0.53	0.59	0.48	0.55	0.60
72.0	49.63	49.85	49.98	0.44	0.50	0.55	0.47	0.55	0.60
74.0	45.96	46.74	48.16	0.74	0.78	0.81	0.73	0.85	0.93
75.0	46.38	48.08	49.96	0.55	0.61	0.65	0.75	0.76	0.76
76.0	57.43	57.38	57.66	0.47	0.53	0.59	0.46	0.52	0.56
78.0	58.00	56.79	56.60	0.42	0.49	0.55	0.41	0.48	0.53
80.0	57.57	57.71	57.25	0.42	0.49	0.55	0.41	0.48	0.53
82.0	67.16	65.79	64.65	0.42	0.50	0.56	0.42	0.49	0.55
84.0	53.54	52.97	52.29	0.44	0.51	0.58	0.45	0.52	0.57
85.0	49.93	49.79	49.61	0.46	0.53	0.60	0.46	0.53	0.59
89.0	51.01	50.17	48.67	0.56	0.65	0.74	0.58	0.65	0.72
93.0	24.85	24.51	24.14	0.87	0.99	1.12	0.89	0.98	1.06
95.0	16.85	16.64	16.40	1.31	1.47	1.63	1.31	1.42	1.54
98.0	7.58	7.55	7.50	3.54	3.80	4.11	3.43	3.60	3.78
100.0	3.78	3.84	3.90	7.95	8.30	8.77	7.52	7.68	7.87
105.0	1.28	1.35	1.43	22.07	21.82	21.40	19.17	18.73	18.16
110.0	0.88	0.94	1.00	17.08	16.85	16.61	17.27	16.94	16.57
115.0	0.65	0.70	0.76	19.40	19.01	18.62	20.54	19.86	19.14
150.0	0.29	0.32	0.34	19.64	20.34	21.11	20.08	20.68	21.25
200.0	0.22	0.25	0.27	18.50	18.36	18.20	18.46	18.37	18.20
300.0	0.15	0.20	0.23	19.76	18.90	18.43	19.72	18.90	18.48
400.0	0.14	0.19	0.24	20.52	19.02	17.80	20.48	19.01	17.82
500.0	0.14	0.20	0.25	19.68	18.72	17.69	19.67	18.75	17.76
600.0	0.15	0.21	0.26	18.87	18.20	17.23	18.87	18.22	17.20
700.0	0.15	0.22	0.27	18.01	17.60	16.89	17.97	17.59	16.89
800.0	0.17	0.25	0.31	17.30	16.90	16.33	17.26	16.88	16.31
900.0	0.23	0.31	0.38	16.66	16.23	15.83	16.59	16.18	15.80
950.0	0.27	0.36	0.43	16.31	15.90	15.62	16.23	15.82	15.55
1000.0	0.30	0.40	0.46	16.02	15.57	15.36	15.92	15.49	15.27

Typical Performance Data

FREQ.	GROUP DELAY-1			FREQ.	GROUP DELAY-2		
(MHz)	(ns)			(MHz)	(ns)		
	@-40°C	@+25°C	@+85°C		@-40°C	@+25°C	@+85°C
0.5	4.21	4.36	4.24	115.0	10.12	10.00	9.91
5.0	4.34	4.35	4.36	120.0	7.62	7.57	7.50
10.0	4.50	4.48	4.52	125.0	5.97	5.95	5.91
12.0	4.63	4.61	4.62	130.0	4.85	4.81	4.79
14.0	4.73	4.72	4.72	135.0	4.03	4.02	3.98
15.0	4.82	4.77	4.79	140.0	3.43	3.42	3.38
16.0	4.88	4.87	4.87	145.0	2.94	2.92	2.92
17.0	4.95	4.97	4.99	150.0	2.56	2.53	2.55
18.0	5.05	5.07	5.09	155.0	2.25	2.26	2.22
19.0	5.18	5.17	5.19	160.0	2.01	1.99	1.98
20.0	5.30	5.29	5.28	165.0	1.83	1.80	1.80
21.0	5.43	5.42	5.42	170.0	1.62	1.60	1.59
22.0	5.56	5.56	5.56	175.0	1.52	1.53	1.52
23.0	5.70	5.70	5.71	180.0	1.39	1.40	1.37
24.0	5.87	5.88	5.84	185.0	1.30	1.29	1.27
25.0	6.03	6.03	6.03	190.0	1.21	1.20	1.19
26.0	6.25	6.23	6.24	195.0	1.12	1.11	1.09
27.0	6.46	6.46	6.46	200.0	1.05	1.02	1.01
28.0	6.68	6.68	6.69	220.0	0.84	0.82	0.81
29.0	6.93	6.94	6.94	240.0	0.72	0.70	0.69
30.0	7.20	7.22	7.22	260.0	0.58	0.57	0.56
31.0	7.53	7.55	7.55	280.0	0.54	0.51	0.51
32.0	7.83	7.86	7.88	300.0	0.46	0.44	0.42
33.0	8.21	8.22	8.25	320.0	0.41	0.40	0.37
34.0	8.60	8.61	8.64	340.0	0.40	0.36	0.36
35.0	9.00	9.04	9.06	360.0	0.36	0.34	0.33
36.0	9.50	9.54	9.60	380.0	0.33	0.33	0.31
37.0	10.06	10.10	10.16	400.0	0.32	0.30	0.29
38.0	10.70	10.72	10.80	420.0	0.29	0.27	0.26
39.0	11.37	11.42	11.48	440.0	0.29	0.29	0.27
40.0	12.15	12.17	12.26	460.0	0.26	0.25	0.23
41.0	12.98	13.07	13.14	480.0	0.29	0.27	0.26
42.0	13.95	14.06	14.13	500.0	0.24	0.24	0.22
43.0	15.11	15.18	15.30	600.0	0.22	0.21	0.20
44.0	16.41	16.52	16.62	700.0	0.21	0.19	0.18
45.0	17.86	17.98	18.11	800.0	0.20	0.18	0.17
46.0	19.61	19.74	19.88	900.0	0.19	0.17	0.16
48.0	24.27	24.44	24.67	1000.0	0.19	0.17	0.16