Coaxial Low Pass Filter ZX75LP-30-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	0.38	0.51	0.61	27.11	24.79	23.33	27.12	24.80	23.33
1	0.39	0.51	0.61	26.72	24.57	23.16	26.74	24.59	23.17
2	0.39	0.51	0.61	25.52	23.82	22.62	25.57	23.86	22.67
4	0.43	0.53	0.64	22.72	21.83	21.09	22.87	21.96	21.20
5	0.43	0.55	0.64	21.65	20.94	20.37	21.79	21.09	20.53
6	0.44	0.56	0.66	20.75	20.21	19.75	20.91	20.40	19.94
8	0.45	0.57	0.67	19.53	19.19	18.88	19.69	19.37	19.11
10	0.48	0.59	0.68	18.99	18.75	18.55	19.17	18.97	18.79
12	0.49	0.61	0.69	19.11	18.95	18.79	19.32	19.19	19.08
14	0.51	0.62	0.71	19.98	19.86	19.76	20.20	20.13	20.10
15	0.50	0.63	0.72	20.74	20.65	20.56	20.98	20.93	20.93
16	0.51	0.63	0.71	21.70	21.61	21.57	21.95	21.95	21.95
18	0.53	0.65	0.75	24.88	24.89	24.90	25.20	25.23	25.26
20	0.56	0.68	0.78	31.24	31.54	31.63	31.10	30.88	30.61
22	0.61	0.73	0.84	47.43	46.74	43.08	35.14	33.04	31.67
24	0.67	0.80	0.91	30.49	30.01	29.58	28.52	27.52	26.80
25	0.71	0.84	0.95	27.90	27.49	27.18	26.55	25.80	25.23
26	0.74	0.88	0.98	26.41	26.06	25.79	25.35	24.70	24.23
28	0.81	0.95	1.07	25.56	25.24	25.02	24.69	24.17	23.79
30	0.90	1.06	1.18	27.41	27.03	26.76	26.49	25.98	25.52
32	1.02	1.20	1.34	32.79	31.94	31.26	32.08	31.21	30.55
34	1.21	1.40	1.55	32.39	31.80	31.27	42.11	39.66	38.13
35	1.33	1.55	1.71	29.07	28.63	28.27	39.21	37.24	35.85
36	1.50	1.75	1.93	24.55	24.12	23.77	29.00	28.20	27.57
37	1.77	2.05	2.27	18.93	18.57	18.31	20.77	20.34	19.99
38	2.26	2.61	2.88	13.51	13.29	13.10	14.39	14.17	13.99
40	4.88	5.44	5.86	5.75	5.79	5.84	6.06	6.12	6.17
42	10.48	11.14	11.65	2.50	2.69	2.84	2.65	2.84	2.99
44	17.46	18.14	18.64	1.50	1.70	1.85	1.58	1.79	1.94
45	21.07	21.72	22.24	1.29	1.47	1.61	1.35	1.53	1.68
46	24.66	25.32	25.84	1.15	1.32	1.45	1.19	1.37	1.50
48	31.92	32.59	33.08	0.96	1.11	1.22	0.99	1.14	1.26
50	39.27	39.97	40.51	0.84	0.97	1.07	0.87	1.00	1.09
75	50.04	50.21	50.23	0.35	0.41	0.45	0.36	0.41	0.45
100	54.02	54.00	54.01	0.22	0.26	0.28	0.22	0.26	0.28
150	68.03	68.21	68.25	0.11	0.14	0.16	0.12	0.15	0.16
200	90.13	85.89	86.32	0.07	0.11	0.13	0.07	0.11	0.13
250	75.69	75.46	73.95	0.04	0.09	0.11	0.06	0.09	0.11
400	75.83	76.28	74.15	0.02	0.08	0.10	0.03	0.08	0.10
500	78.23	79.17	78.94	0.01	0.08	0.11	0.02	0.08	0.11
600	81.38	81.05	80.69	0.02	0.10	0.14	0.02	0.09	0.12
800	72.49	72.20	72.99	0.02	0.13	0.18	0.03	0.11	0.15
1000	73.74	72.66	72.73	0.04	0.15	0.22	0.03	0.14	0.19
1200	70.30	69.83	69.12	0.07	0.20	0.28	0.04	0.16	0.21
1400	65.38	65.25	65.37	0.08	0.22	0.32	0.05	0.19	0.24
1500	64.10	64.21	63.32	0.10	0.25	0.35	0.06	0.20	0.26
1600	62.40	61.63	61.77	0.12	0.27	0.38	0.07	0.21	0.30
1700	60.86	61.07	60.69	0.12	0.29	0.39	0.14	0.29	0.32
1800	59.56	59.41	59.26	0.12	0.28	0.40	0.10	0.24	0.32
1900	58.23	57.99	57.79	0.13	0.30	0.42	0.09	0.24	0.32
2000	56.81	56.33	56.06	0.13	0.32	0.44	0.08	0.24	0.32
2100	55.20	54.73	54.67	0.14	0.34	0.46	0.08	0.25	0.33
2200	53.70	53.38	53.20	0.13	0.34	0.47	0.08	0.26	0.34
2300	52.22	52.08	51.80	0.14	0.34	0.48	0.11	0.27	0.36
2400	51.16	51.09	50.76	0.15	0.36	0.49	0.13	0.29	0.39
2500	50.57	50.33	50.28	0.16	0.37	0.50	0.16	0.38	0.51
2600	49.90	50.01	49.81	0.18	0.38	0.51	1.19	0.80	0.78
2700	48.51	48.41	48.40	0.18	0.38	0.52	0.18	0.35	0.45
2800	47.43	47.29	47.13	0.17	0.38	0.53	0.13	0.32	0.41
3000	45.34	45.16	45.03	0.22	0.38	0.53	0.11	0.31	0.41

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (ns)		
	@-40°C	@+25°C	@+85°C
0.5	16.64	16.71	16.61
1	16.66	16.73	16.65
2	16.69	16.76	16.70
3	16.75	16.81	16.77
4	16.81	16.86	16.82
5	16.88	16.92	16.91
6	16.97	17.01	17.00
7	17.07	17.11	17.11
8	17.19	17.21	17.24
9	17.29	17.31	17.35
10	17.44	17.48	17.51
11	17.60	17.64	17.68
12	17.72	17.77	17.82
13	17.94	18.00	18.04
14	18.19	18.26	18.30
15	18.46	18.53	18.58
16	18.79	18.84	18.89
17	19.11	19.18	19.23
18	19.49	19.55	19.60
19	19.90	19.98	20.03
20	20.35	20.44	20.48
21	20.86	20.94	21.01
22	21.41	21.51	21.58
23	22.05	22.17	22.22
24	22.84	22.95	23.04
25	23.65	23.77	23.86
26	24.57	24.71	24.82
27	25.65	25.80	25.92
28	26.89	27.06	27.20
29	28.37	28.58	28.73
30	30.19	30.43	30.62