

# Coaxial Reflectionless Low Pass Filter

# ZXLF-K42M+

## Typical Performance Data

FREQ.	Insertion Loss	Input Return Loss	Output Return Loss	FREQ.	Group Delay
(MHz)	(dB)	(dB)	(dB)	(MHz)	(ns)
1	1.88	19.16	19.24	1	0.88
5	1.91	19.20	19.18	2	0.88
10	1.91	19.20	19.20	3	0.88
30	1.92	19.21	19.20	4	0.88
40	1.93	19.12	19.15	5	0.88
60	1.91	19.34	19.34	6	0.88
100	2.01	18.88	18.95	7	0.88
120	2.07	18.67	18.77	8	0.88
140	2.14	18.42	18.57	9	0.88
160	2.21	18.19	18.37	10	0.88
180	2.28	18.04	18.21	20	0.88
200	2.35	17.86	18.07	30	0.88
220	2.43	17.73	17.95	40	0.88
240	2.53	17.63	17.87	50	0.88
260	2.63	17.58	17.82	60	0.88
280	2.74	17.55	17.79	70	0.88
300	2.86	17.53	17.83	80	0.88
350	3.21	17.94	18.23	90	0.88
360	3.29	18.08	18.37	100	0.88
380	3.46	18.41	18.70	110	0.88
410	3.75	19.20	19.45	120	0.88
500	5.23	23.87	24.03	130	0.88
600	10.64	23.20	23.15	140	0.88
660	20.37	22.69	22.69	150	0.88
680	24.41	22.23	22.33	160	0.89
700	26.94	21.43	21.59	170	0.89
800	28.64	18.24	18.24	180	0.89
860	34.40	18.28	18.09	190	0.90
900	35.37	18.96	18.57	200	0.90
1000	27.78	21.81	20.87	210	0.90
1100	24.50	25.43	23.80	220	0.91
1200	25.10	28.52	26.56	230	0.92
1300	28.21	31.20	29.10	240	0.92
1400	33.59	32.53	31.47	250	0.93
1500	42.03	33.14	33.19	260	0.94
1600	56.47	31.79	33.12	270	0.94
1700	65.40	30.07	31.75	280	0.95
1800	48.42	28.22	29.84	290	0.96
1900	40.80	26.60	28.19	300	0.97
2000	36.32	25.28	26.68	310	0.98
2100	33.40	24.11	25.46	320	0.99
2200	31.40	23.16	24.39	330	1.01
2300	29.99	22.26	23.53	340	1.02
2400	28.97	21.48	22.59	350	1.03
2500	28.24	20.76	21.79	360	1.05
3000	27.00	18.34	19.09	370	1.07
4000	28.86	15.13	15.37	380	1.09
4500	30.30	13.88	13.87	390	1.11
5000	31.60	12.79	12.62	400	1.13
5500	32.52	12.09	11.64	410	1.15
6000	53.17	15.60	15.20	420	1.18
6800	43.38	12.03	11.40	430	1.21
7000	43.75	12.06	11.42	440	1.24
7500	45.26	11.51	10.82	450	1.27
8000	46.43	10.90	10.20	460	1.32
8500	46.40	10.18	9.56	470	1.39
9000	45.46	9.42	8.90	480	1.46
9500	44.19	8.62	8.21	490	1.54
10000	43.11	7.83	7.55	500	1.61
12000	39.56	5.36	5.48	520	1.68