

Expanded Damping and f_{LP} factors

Applications and Design with Analog Integrated Circuits – 2nd edition

J. Michael Jacob

Higher order filter damping (α) and low pass frequency correction factors

ter	Section	Bessel	Butterworth	1 dB Chebyshev	2 dB Chebyshev
	1	α	—	—	—
		k_{lp}	0.753	1	2.212
	2	α	1.447	1	0.496
		k_{lp}	0.687	1	1.098
	2	α	1.916	1.848	1.275
		k_{lp}	0.696	1	1.992
	2	α	1.241	0.765	0.281
		k_{lp}	0.621	1	1.060
	1	α	—	—	—
		k_{lp}	0.642	1	3.571
	2	α	1.775	1.618	0.714
		k_{lp}	0.619	1	1.577
	2	α	1.091	0.618	0.180
		k_{lp}	0.549	1	1.040
	2	α	1.959	1.932	1.314
		k_{lp}	0.621	1	2.881
	2	α	1.636	1.414	0.455
		k_{lp}	0.590	1.000	1.364
	2	α	0.977	0.518	0.125
		k_{lp}	0.523	1	1.023
					1.024