

Table 10-3 Coefficients of Chebyshev lowpass prototype filter normalized to a radian corner frequency of $1 \text{ radian}\cdot\text{s}^{-1}$ and a 1Ω system impedance.

Order Ripple	$n = 3$				
	0.01 dB	0.1 dB	0.2 dB	1.0 dB	3.0 dB
g_1	0.6291	1.0315	1.2275	2.0236	3.3487
g_2	0.9702	1.1474	1.1525	0.9941	0.7117
g_3	0.6291	1.0315	1.2275	2.0236	3.3487

Order Ripple	$n = 5$				
	0.01 dB	0.1 dB	0.2 dB	1.0 dB	3.0 dB
g_1	0.7563	1.1468	1.3394	2.1349	3.4817
g_2	1.3049	1.3712	1.3370	1.0911	0.7618
g_3	1.5573	1.9750	2.1660	3.0009	4.5381
g_4	1.3049	1.3712	1.3370	1.0911	0.7618
g_5	0.7563	1.1468	1.3394	2.1349	3.4817

Order Ripple	$n = 7$				
	0.01 dB	0.1 dB	0.2 dB	1.0 dB	3.0 dB
g_1	0.7969	1.1811	1.3722	2.1664	3.5182
g_2	1.3924	1.4228	1.3781	1.1116	0.7723
g_3	1.7481	2.0966	2.2756	3.0934	4.6386
g_4	1.6331	1.5733	1.5001	1.1736	0.8039
g_5	1.7481	2.0966	2.2756	3.0934	4.6386
g_6	1.3924	1.4228	1.3781	1.1116	0.7723
g_7	0.7969	1.1811	1.3722	2.1664	3.5182

Order Ripple	$n = 9$				
	0.01 dB	0.1 dB	0.2 dB	1.0 dB	3.0 dB
g_1	0.8144	1.1956	1.3860	2.1797	3.5340
g_2	1.4270	1.4425	1.3938	1.1192	0.7660
g_3	1.8043	2.1345	2.3093	3.1215	4.6692
g_4	1.7125	1.6167	1.5340	1.1897	0.8118
g_5	1.9057	2.2053	2.3728	3.1747	4.7272
g_6	1.7125	1.6167	1.5340	1.1897	0.8118
g_7	1.8043	2.1345	2.3093	3.1215	4.6692
g_8	1.4270	1.4425	1.3938	1.1192	0.7660
g_9	0.8144	1.1956	1.3860	2.1797	3.5340

Source: M. Steer "Microwave and RF Design: A Systems Approach"
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