AN702: SCM7B
Application Note: Frequency and Time Response

Figures 1 through 4 are the result of performing a 100-run Monte Carlo analysis on the SCM7B filter circuitry in both the frequency and time domains.* In this type of analysis, all component values are simultaneously (and randomly) varied between the specified ± tolerances. 100 runs ensures an adequate statistical sample. Although the circuit bandwidth used is 3Hz, the results can be extended to higher bandwidths by appropriate scaling.

*Model represented: SCM7B34-02D