

Filter Coefficient Scaling Factor

The LTC2500-32 supports 6 different filter types each with 14 different down-sampling factors. The filter coefficients for the 78 different filter combinations are available via this download. Filter coefficients may be scaled to unity at DC, i.e. the sum of coefficients is equal to 1. Unity gain at DC is achieved by dividing the filter coefficients by the scaling factor. Scaling factor for the digital filters is equal to the sum of the filter coefficients. All of the filters are named using the following convention:

LTC2500-32_Filter_Coefficients_*FilterType*_*Down-SamplingFactor*.txt

Example: **LTC2500-32_FilterCoefficients_SSinc_64.txt** refers to the coefficients of SSinc filter, with a down-sampling factor equal to 64.