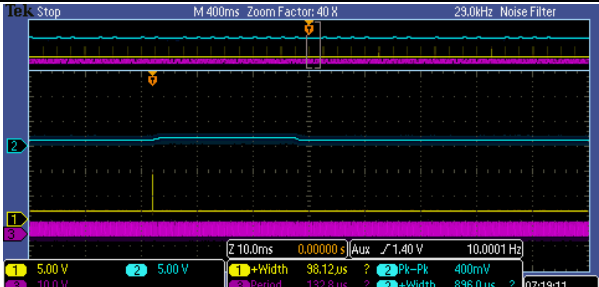
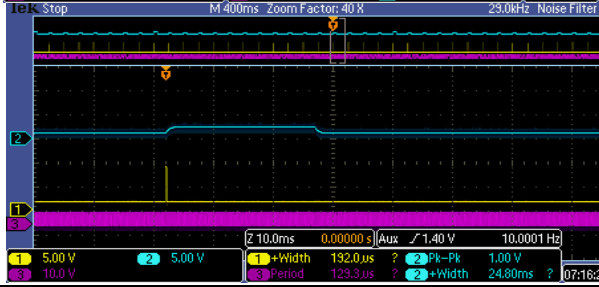
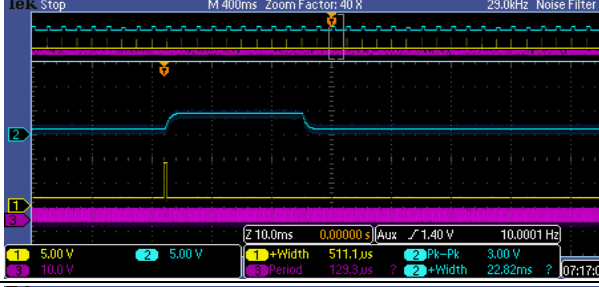
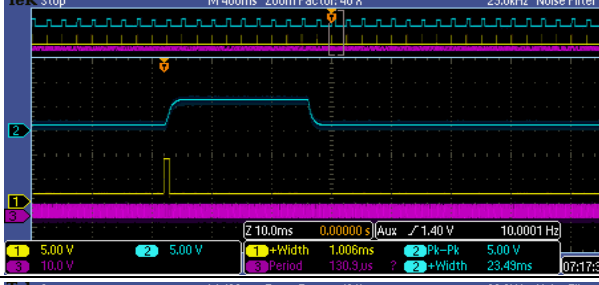
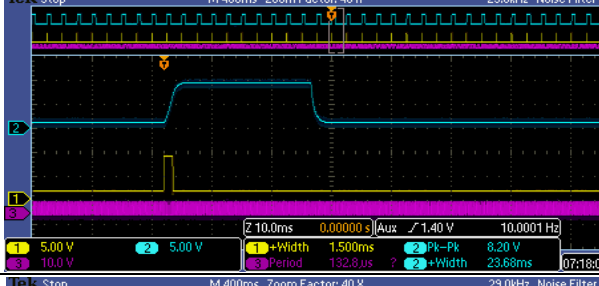
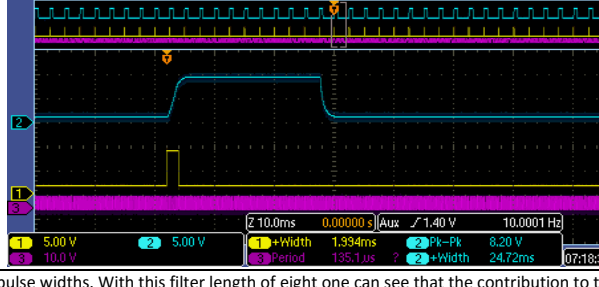


Tek Filename Suffix	Filter Length	Pulse Width (mS)	Pulse Type	Filter Setting	Scope Traces	Notes
TEK00098.PNG	8	0.1	Pulse with small offset	3	 <p>Scope screenshot showing a 0.1 ms pulse. The main trace (blue) shows a small peak. The bottom status bar indicates: +Width 98.12 μs, Pk-Pk 400mV, Period 132.8 μs, +Width 896.0 μs.</p>	Filter length = 8 with 100 μs input pulse. The pulse contributes 0.4 V to the peak detected.
TEK00093.PNG	8	0.2	Pulse with small offset	3	 <p>Scope screenshot showing a 0.2 ms pulse. The main trace (blue) shows a slightly larger peak. The bottom status bar indicates: +Width 192.0 μs, Pk-Pk 1.00 V, Period 129.3 μs, +Width 24.80 ms.</p>	Filter length = 8 with 200 μs input pulse. The pulse contributes 1.0 V to the peak detected.
TEK00094.PNG	8	0.5	Pulse with small offset	3	 <p>Scope screenshot showing a 0.5 ms pulse. The main trace (blue) shows a more pronounced peak. The bottom status bar indicates: +Width 511.1 μs, Pk-Pk 3.00 V, Period 129.3 μs, +Width 22.82 ms.</p>	Filter length = 8 with 500 μs input pulse. The pulse contributes 3.0 V to the peak detected.
TEK00095.PNG	8	1	Pulse with small offset	3	 <p>Scope screenshot showing a 1 ms pulse. The main trace (blue) shows a significant peak. The bottom status bar indicates: +Width 1.006ms, Pk-Pk 5.00 V, Period 130.9 μs, +Width 23.49ms.</p>	Filter length = 8 with 1 ms input pulse. The pulse contributes 5.0 V to the peak detected.
TEK00096.PNG	8	1.5	Pulse with small offset	3	 <p>Scope screenshot showing a 1.5 ms pulse. The main trace (blue) shows a peak that is nearly at the maximum. The bottom status bar indicates: +Width 1.500ms, Pk-Pk 8.20 V, Period 132.8 μs, +Width 23.68ms.</p>	Filter length = 8 with 1.5 ms input pulse. The pulse contributes 8.2 V to the peak detected.
TEK00097.PNG	8	2	Pulse with small offset	3	 <p>Scope screenshot showing a 2 ms pulse. The main trace (blue) shows a peak at the maximum output. The bottom status bar indicates: +Width 1.994ms, Pk-Pk 8.20 V, Period 135.1 μs, +Width 24.72ms.</p>	Filter length = 8 with 2 ms input pulse. The pulse contributes 8.2 V to the peak detected.

The set of results above illustrate the effect of a fixed length filter with different pulse widths. With this filter length of eight one can see that the contribution to the peak detection for 100 μs pulses is very small and 2 ms contributes fully. 8.2 V is the maximum output in these tests.