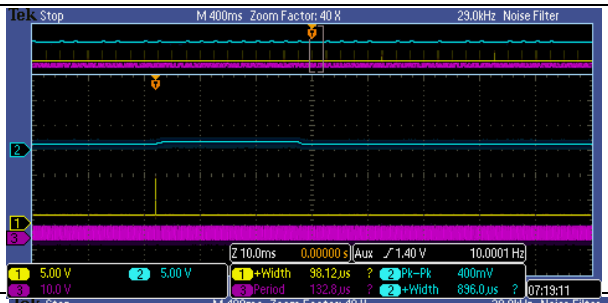
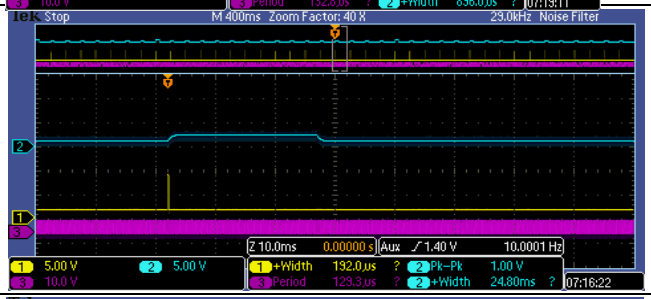
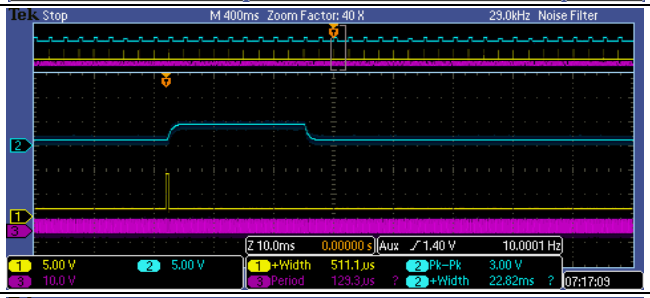
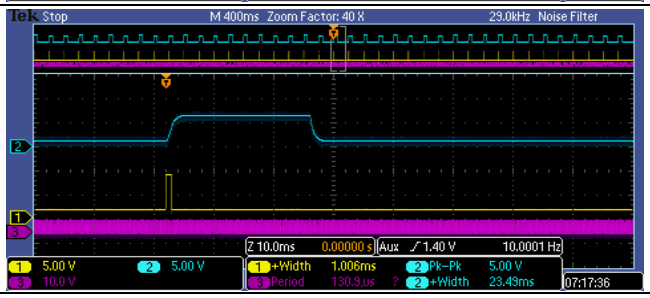
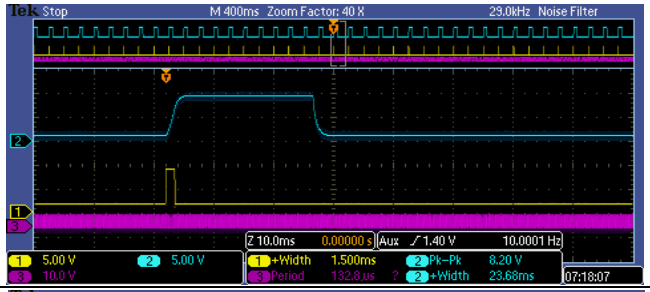
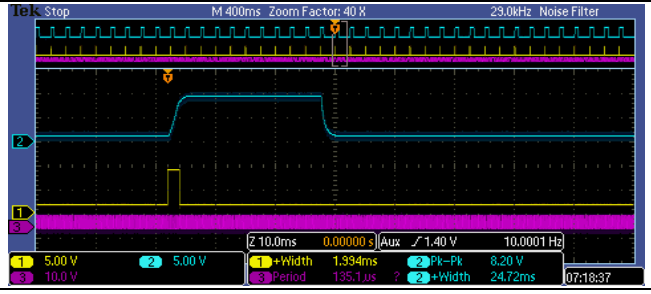
Tek Filename Suffix	Filter Length	Pulse Width (mS)	Pulse Type	Filter Setting	Scope Traces	Notes
TEK00098.PNG	8	0.1	Pulse with small offset	3		Filter length = 8 with 100 µS input pulse. The pulse contributes 0.4 V to the peak detected.
TEK00093.PNG	8	0.2	Pulse with small offset	3		Filter length = 8 with 200 µS input pulse. The pulse contributes 1.0 V to the peak detected.
TEK00094.PNG	8	0.5	Pulse with small offset	3		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		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		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		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.