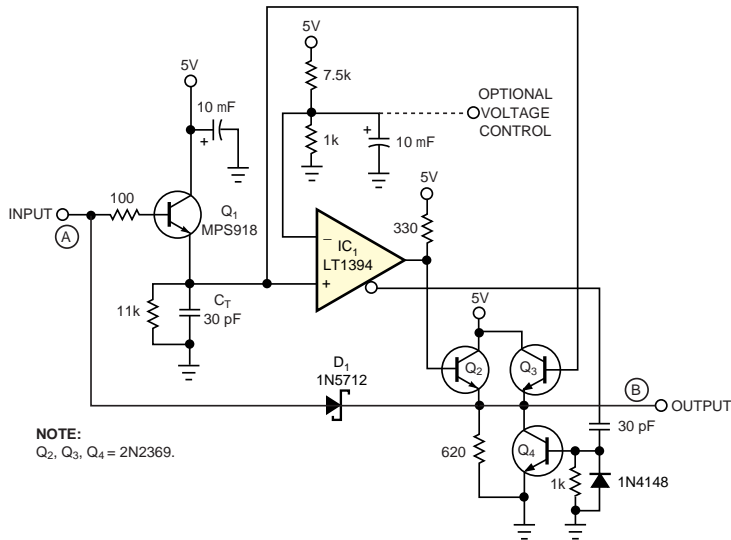
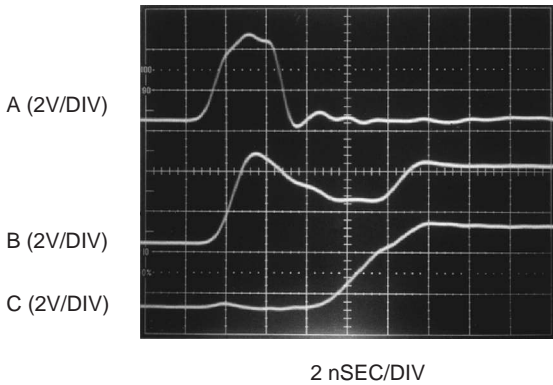


Figure 11

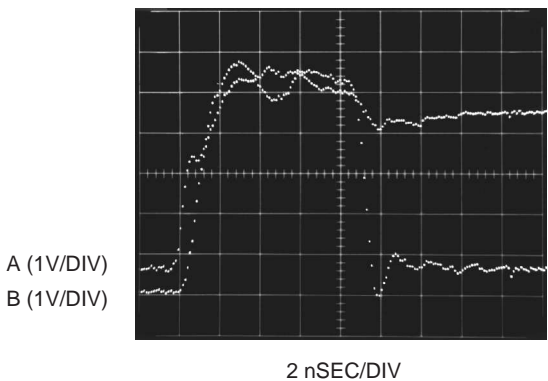


NOTE:
Q₂, Q₃, Q₄ = 2N2369.

a)



b)



c)

A high-speed pulse stretcher has subnanosecond rise and fall times (a). Disconnecting the feed-forward path that originates at C_T (b) shows that the output sags for 8 nsec (Trace B) before C₁ can restore its amplitude (Trace C). In a 3.9-GHz bandpass (c), the output amplitude (Trace B) drops when the input (Trace A) decays, but the circuit maintains a high logic level.