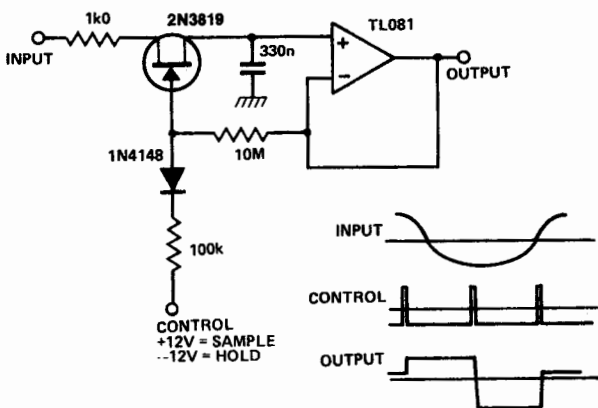


## 49

### FET Sample And Hold

Control = +12 V; sample  
Control = -12 V; hold



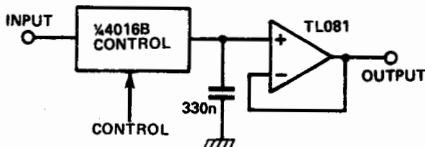
Use a printed circuit guard ring (connected to the output voltage) around the hold capacitor

## 50

### 4016 Sample And Hold

Control = +V<sub>CC</sub>; sample  
Control = -V<sub>CC</sub>; hold  
-V<sub>CC</sub> < signal voltage < +V<sub>CC</sub>

+V<sub>CC</sub> - (-V<sub>CC</sub>) ≤ 15 V



Use a printed circuit guard ring (connected to the output voltage) around the hold capacitor