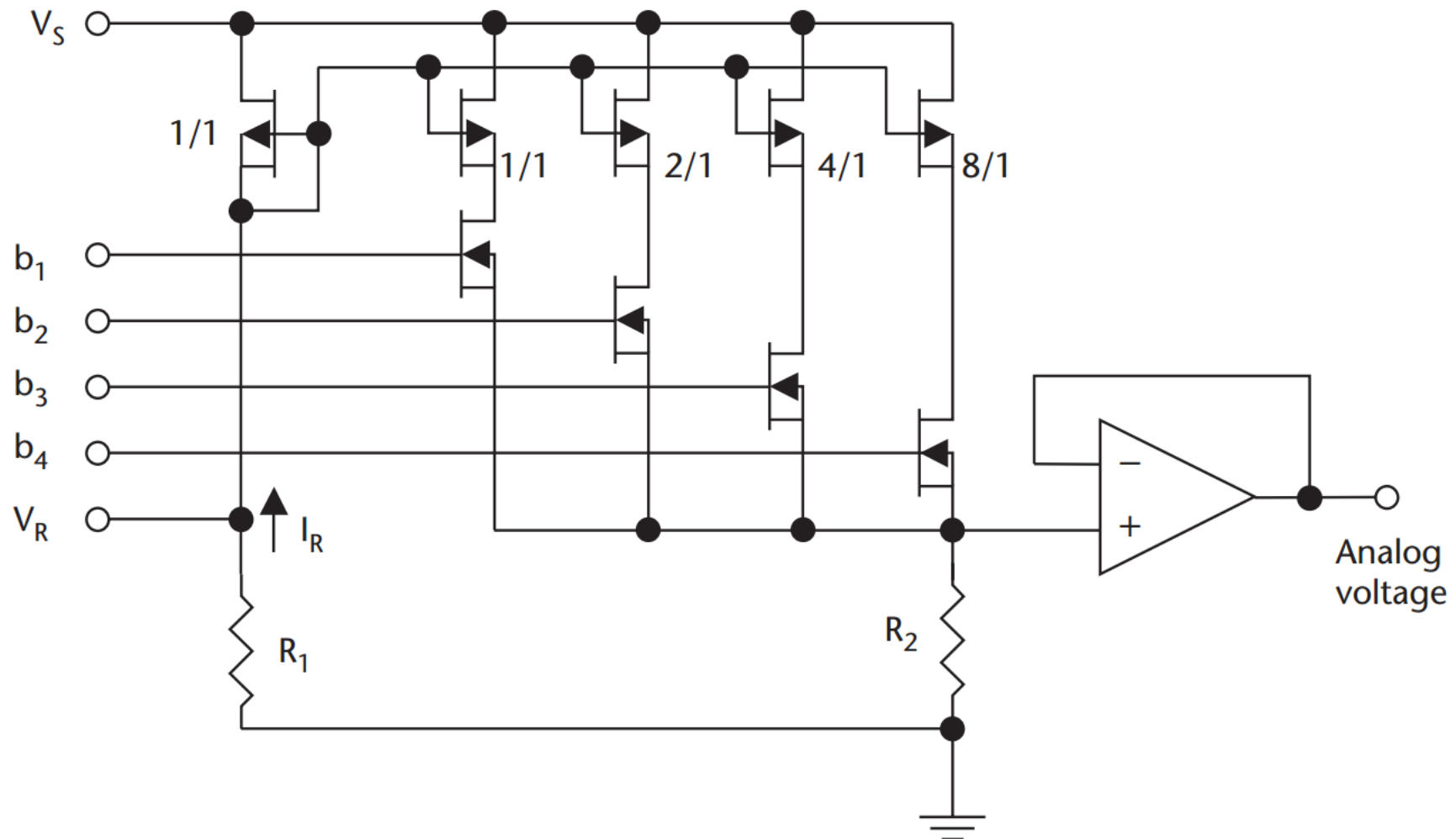
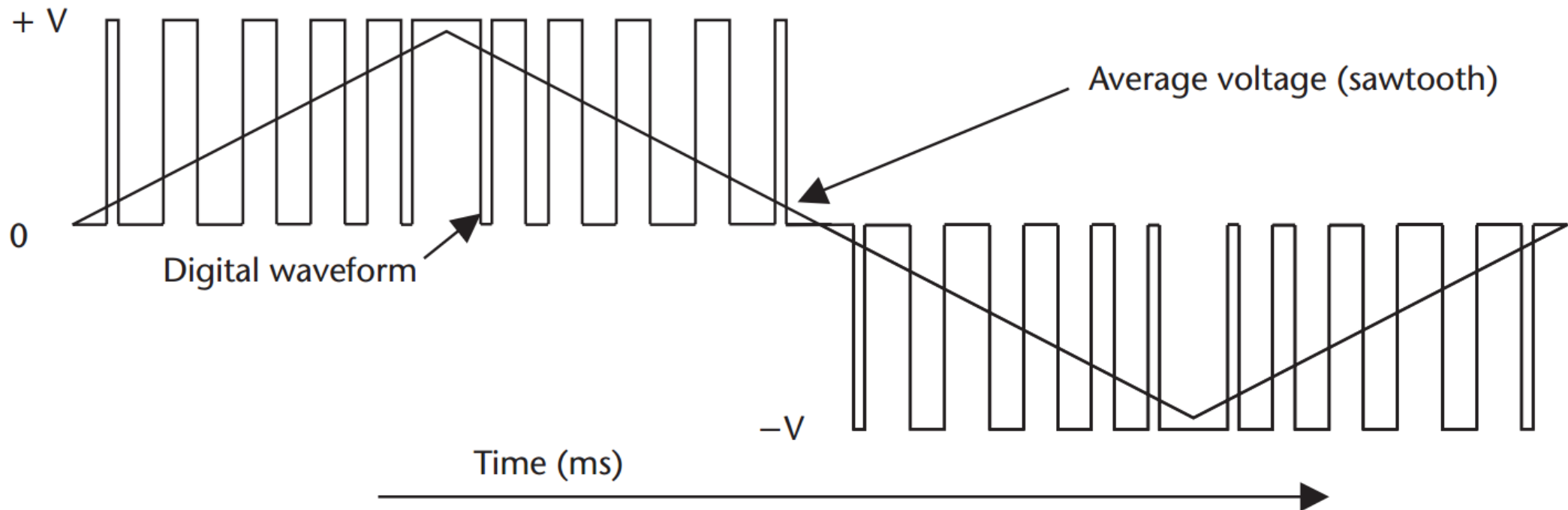


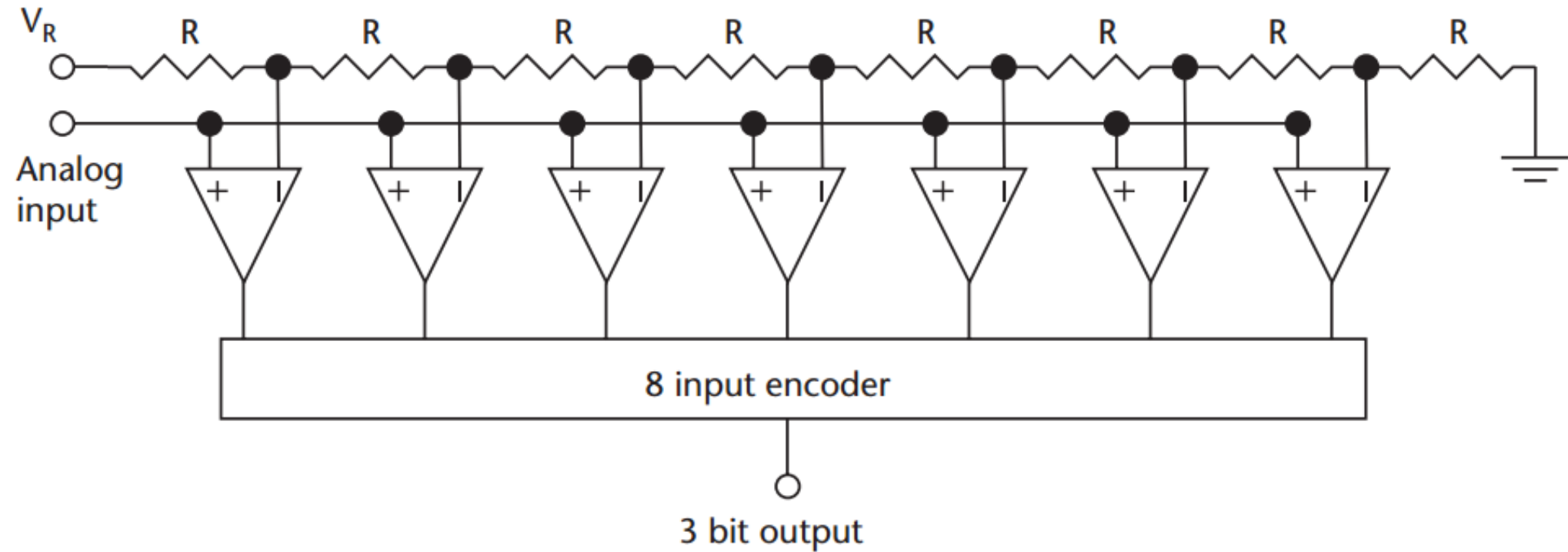
# Current Mirror DAC



# PWM Based DAC

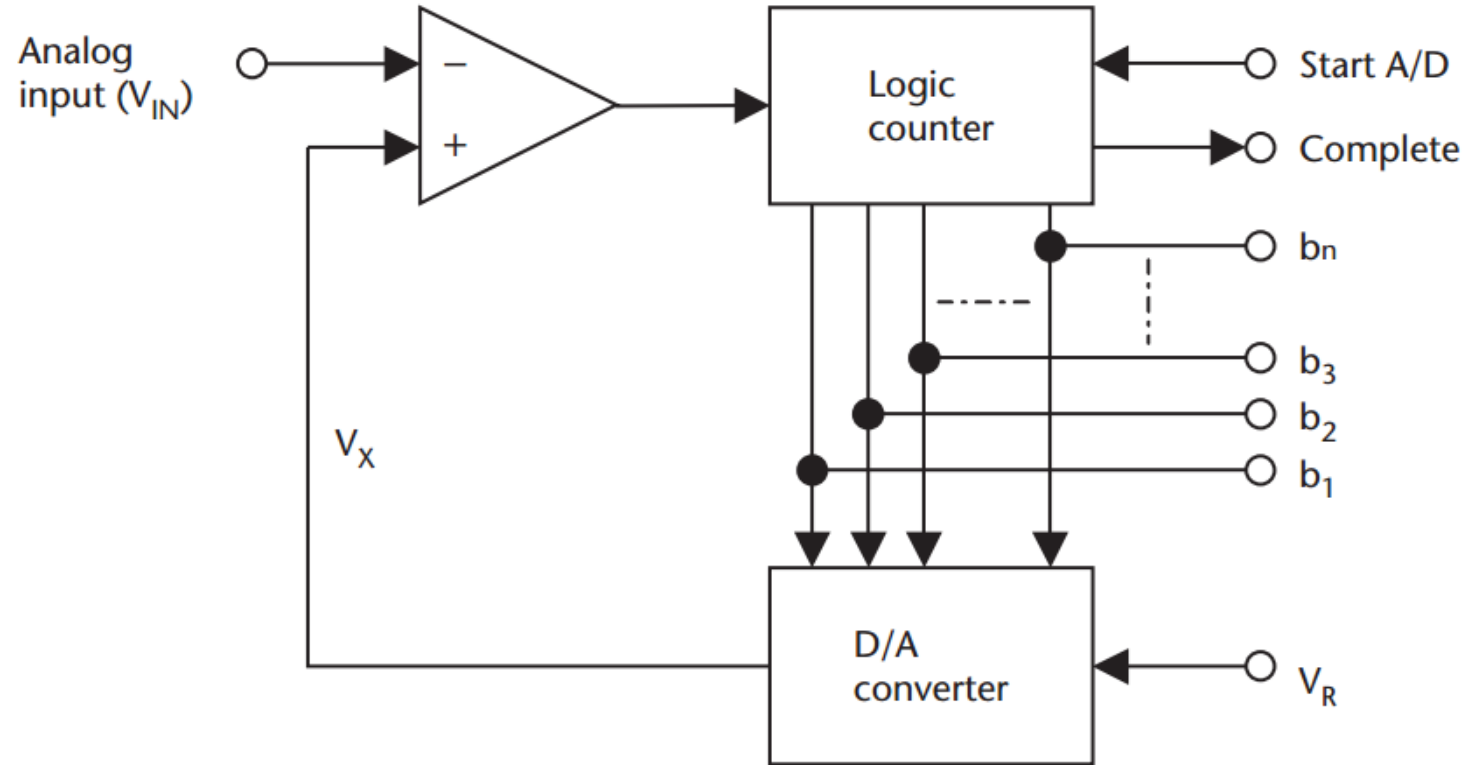


# Flash Converter ADC



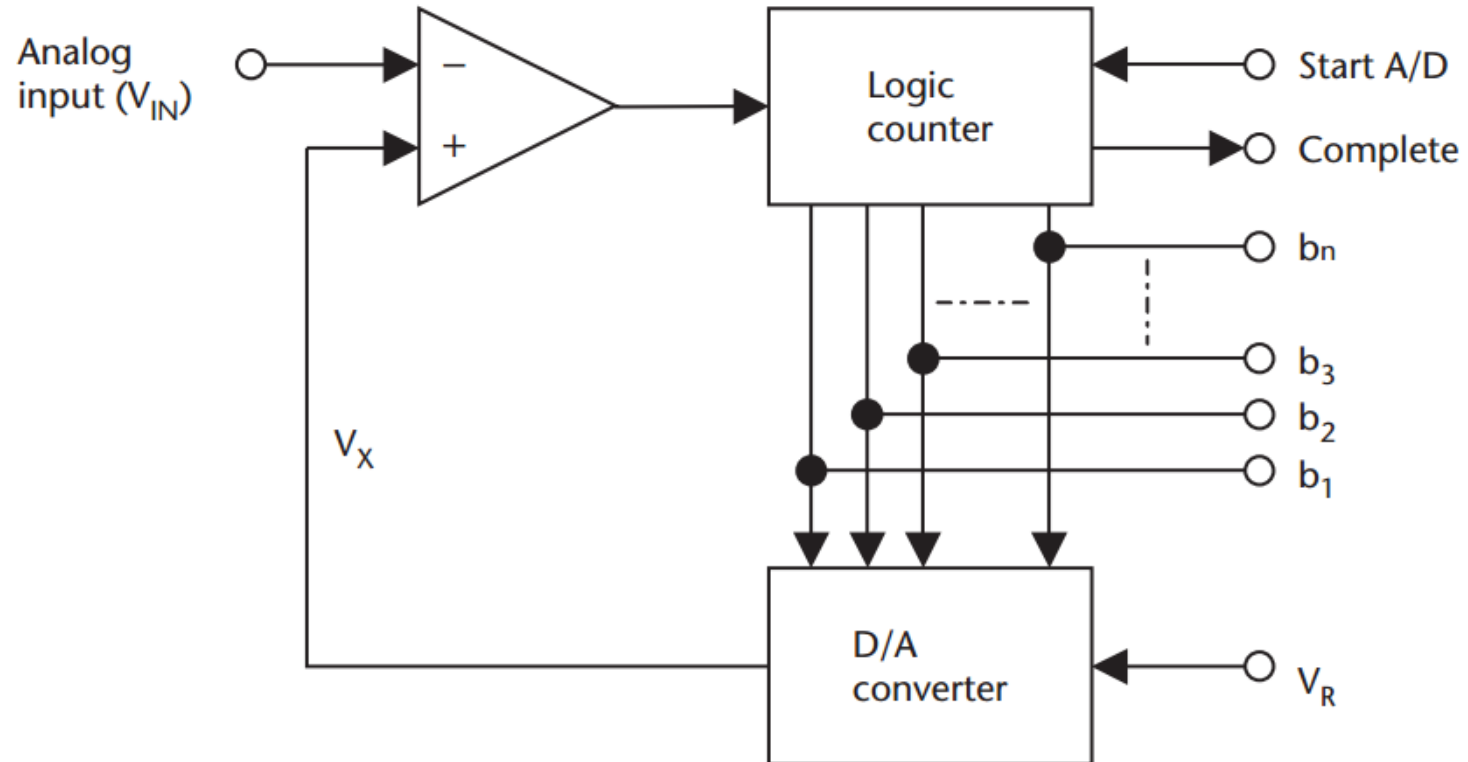
Sample rate = 1 GSPS

# Ramp-Up or Stepped Up ADC



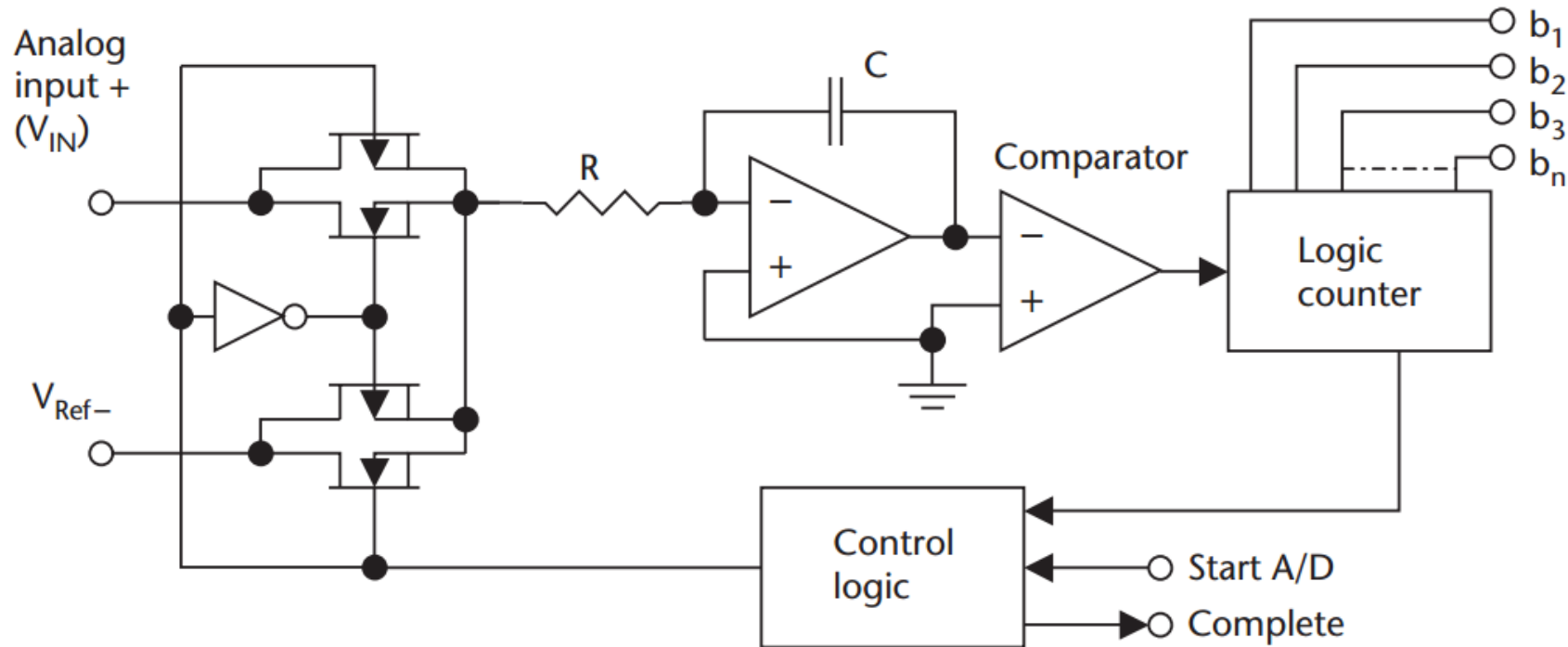
A 12-bit device has a conversion time of approximately 5 ms.

# Successive Approximation ADC



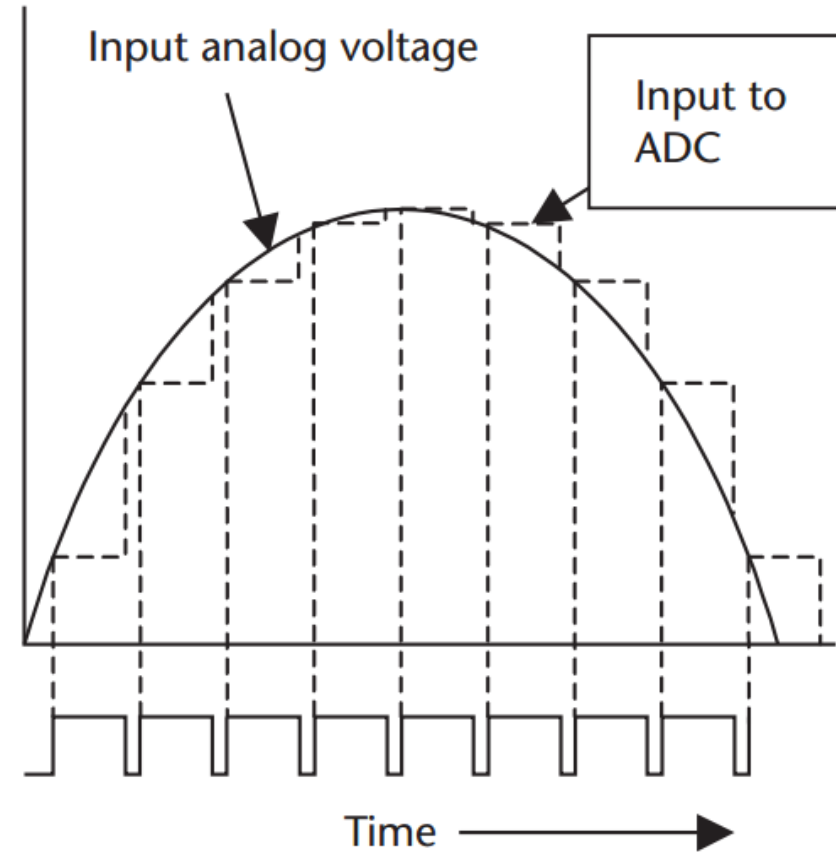
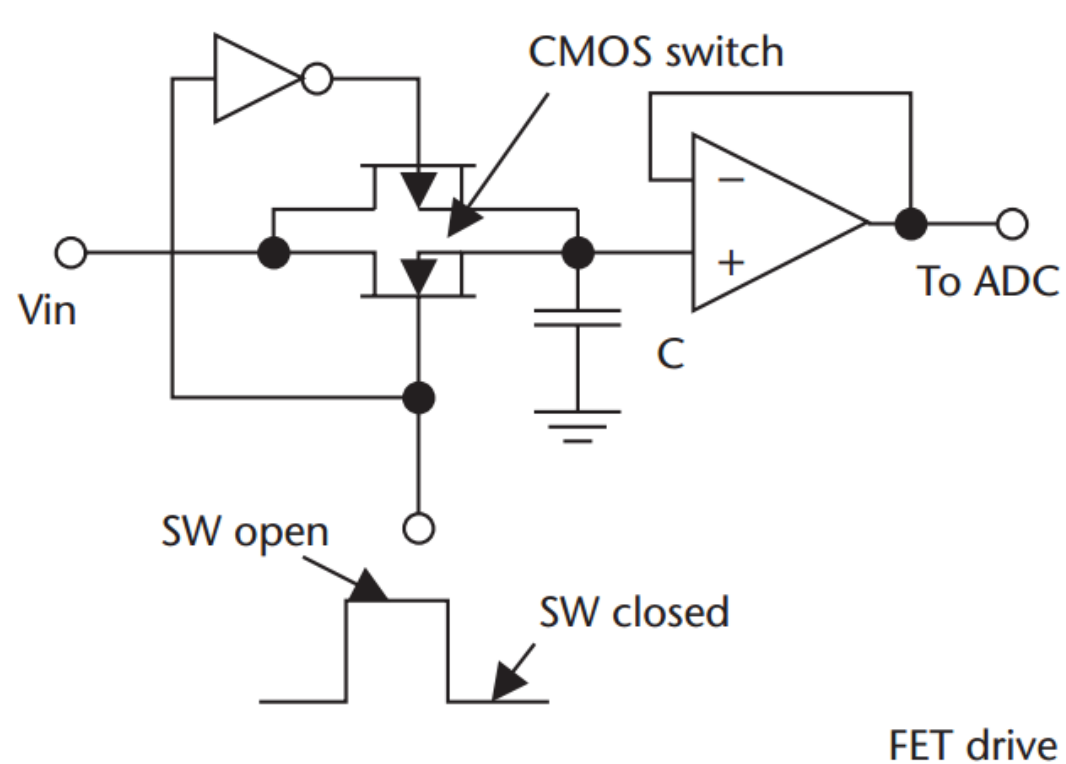
A 12-bit device has a conversion time of approximately 20  $\mu$ s.

# Dual Slope ADC



- Good accuracy
- Very tolerant of high noise levels in the analog signal
- Slow compared to other types of converters (A 12-bit conversion takes approximately 20 ms)

# Sample and Hold



# Analog Multiplexer

