ADVANCED SENSOR INTEGRATIONS

ADC 3.3V 12-BIT 1MS/S – AIP-ADC12B1M3VSAR

FEATURES

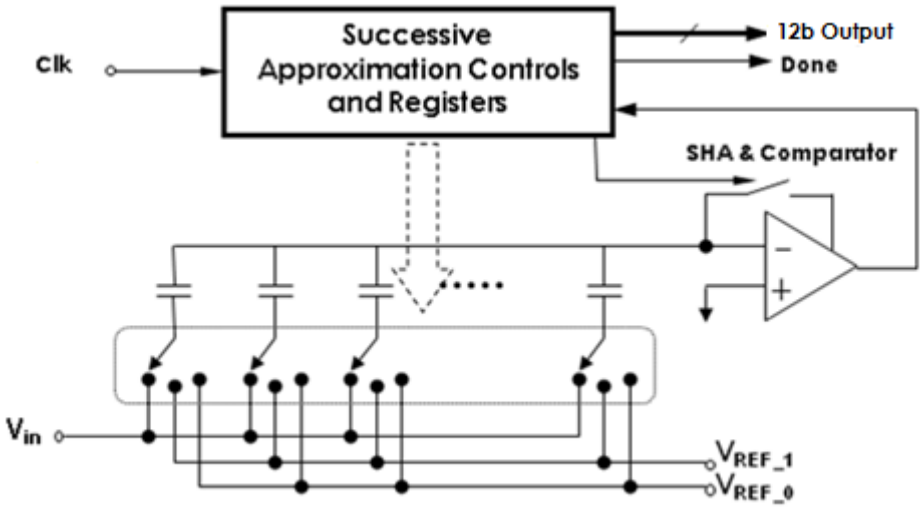
- Supply voltage: 3.3V
- Resolution: 12-bit
- Conversion rate: 1MS/s
- Input range: 1.5V single-ended
- Architecture: Sucessive Approximation
- INL and DNL: <2LSB and <2LSB
- Normal and power-down control
- Power-down mode (consumption <0.1uA)
- Current consumption: 3.5mA
- Total core area: NDA required
- Temperature: -40C to 85C
- Process technology: 0.35um digital CMOS with MiM

OVERVIEW

- A 12-bit capacitive sucessive approximation ADC in standard CMOS process.
- Fully integrated with internal reference and clock generators.
- Normal and power down modes.
- Ideal for handheld devices, medical applications, diagnostic and sensor applications.

IP STATUS

- **MASS PRODUCTION**



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