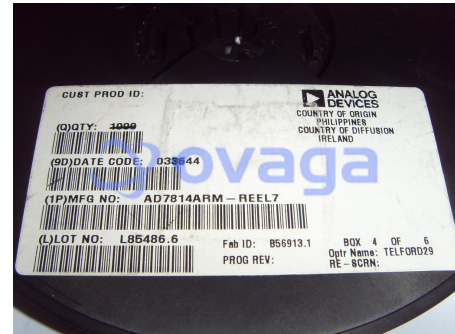


Ic dgtl temp sensor 10bit 8-msop

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	MSOP-8
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for AD7814ARM or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

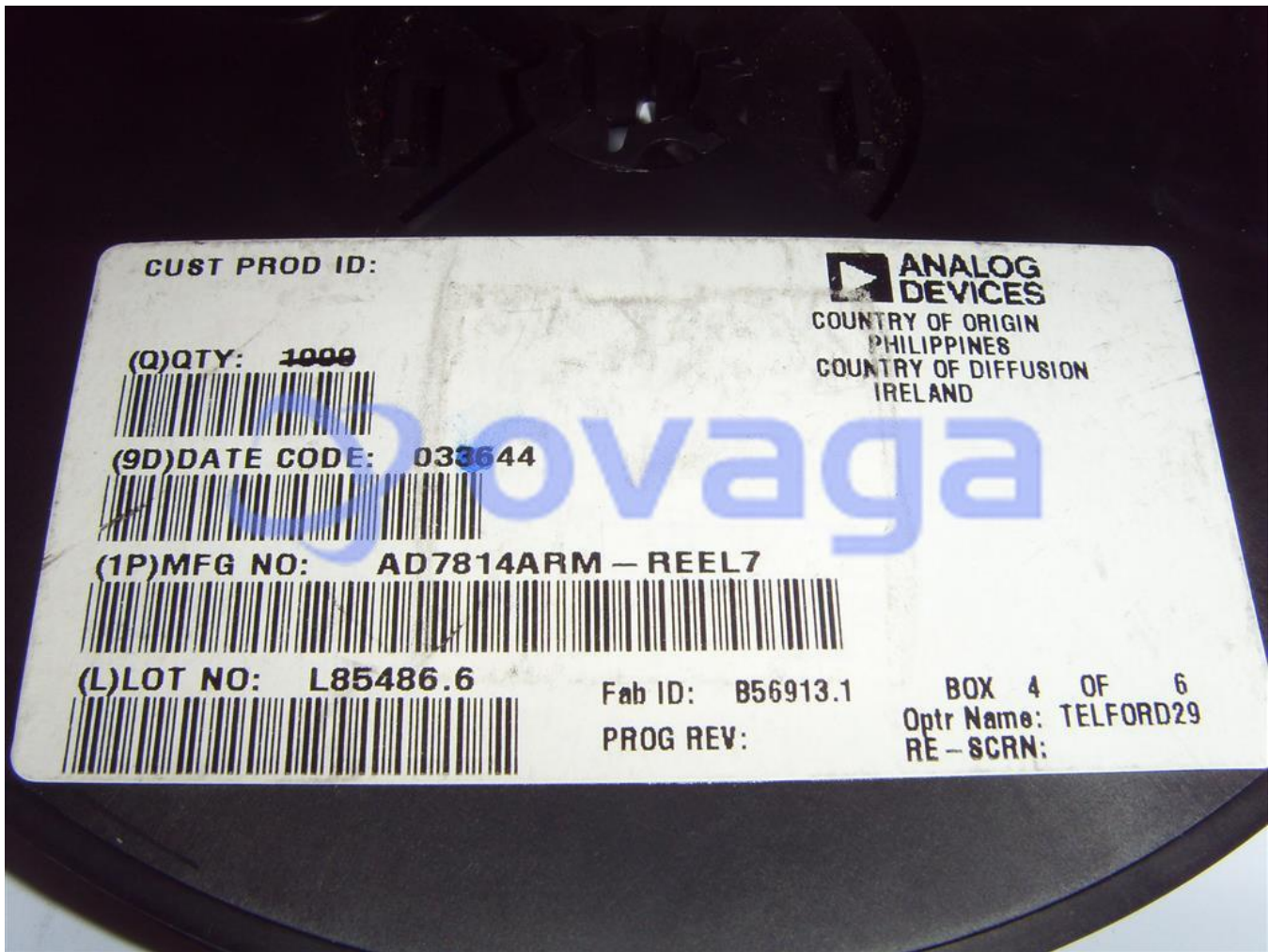
AD7814ARM is a part number for a specific integrated circuit (IC) manufactured by Analog Devices Inc., which is a semiconductor company that produces a wide range of analog and mixed-signal ICs. The AD7814ARM is a 10-bit, voltage output digital-to-analog converter (DAC) with a serial interface.

## Features

- 10-bit resolution, providing 1024 levels of output voltage.
- Serial interface, compatible with SPI (Serial Peripheral Interface) and MICROWIRE protocols.
- Wide operating voltage range, from 2.7V to 5.5V, making it suitable for various voltage supply levels.
- Low power consumption, typically 300  $\mu$ A, making it suitable for battery-powered applications.
- Fast settling time, typically 1  $\mu$ s, allowing for rapid updates of the output voltage.
- Output voltage range is programmable, allowing for flexibility in setting the desired output voltage span.
- Internal reference voltage, eliminating the need for an external reference.

## Application

- Industrial process control and automation, where precise voltage outputs are needed for controlling actuators, motors, and other industrial devices.
- Data acquisition systems, where the AD7814ARM can be used to generate analog signals for testing and calibration purposes.
- Portable and battery-powered devices, such as handheld instruments and sensor interfaces, where low power consumption is important.
- Communication systems, where the AD7814ARM can be used to generate analog signals for modulation and demodulation purposes.
- Test and measurement equipment, where the AD7814ARM can be used as a voltage source for calibration and testing.



## Related Products



### [ADUM1300](#)

Analog Devices, Inc



### [ADL5310ACPZ](#)

Analog Devices, Inc  
LFCSP-24



### [ADG5409BCPZ](#)

Analog Devices, Inc  
LFCSP-16



### [ADG3308BCPZ](#)

Analog Devices, Inc  
20LFCSP



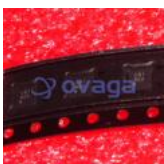
### [ADR391AUJZ](#)

Analog Devices, Inc  
SOT23-5



### [ADCMP600BKSZ](#)

Analog Devices, Inc  
SC-70-5



### [ADM7171ACPZ](#)

Analog Devices, Inc  
LFCSP8



### [ADCMP601BKSZ](#)

Analog Devices, Inc  
SC70