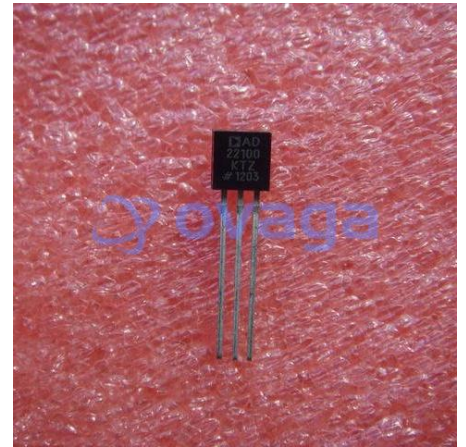


Voltage Output Temperature Sensor with Signal Conditioning; Package: TO-92; No of Pins: 3; Temperature Range: Commercial

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TO-92
Product Type	Temperature Sensors
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD22100KTZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

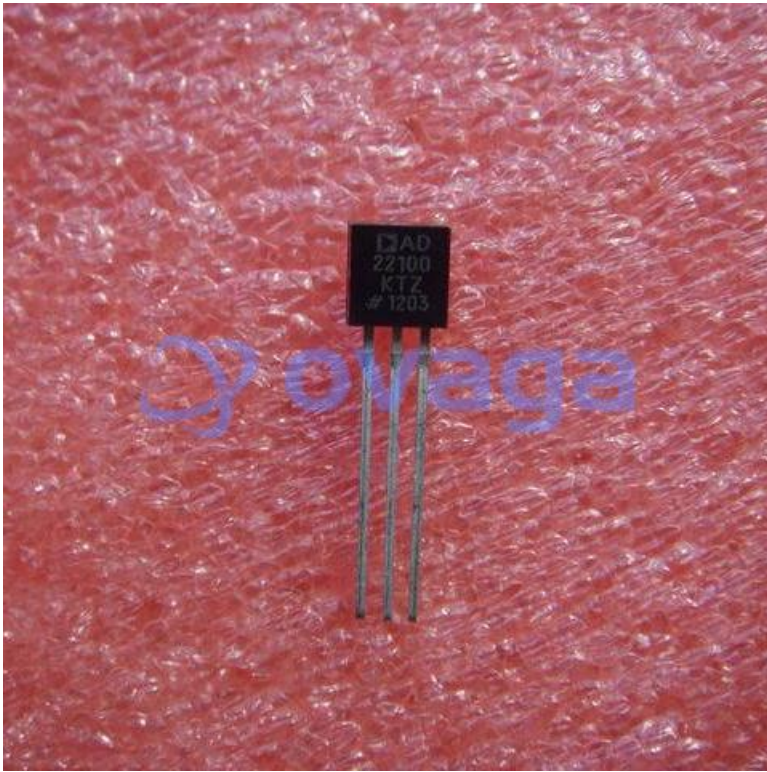
AD22100KTZ is a temperature sensor IC (integrated circuit) manufactured by Analog Devices Inc. It is a complete temperature monitoring system on a chip that includes a temperature sensor, signal conditioning circuitry, and a 10-bit ADC (analog-to-digital converter).

### Features

- Temperature range: -40°C to +150°C
- Accuracy:  $\pm 1^\circ\text{C}$  (maximum) over the entire temperature range
- Output voltage: 10 mV/°C
- Supply voltage: 4.5 V to 6 V
- Low power consumption: 120  $\mu\text{A}$  (maximum)

### Application

- Temperature sensing and monitoring in various electronic systems and devices
- Thermal management in power electronics, such as in motor drives, inverters, and power supplies
- Temperature control in HVAC (heating, ventilation, and air conditioning) systems
- Temperature compensation in various circuits, such as voltage references, oscillators, and filters.



## Related Products



### [AD22100STZ](#)

Analog Devices, Inc  
TO-92



### [ADT75BRMZ](#)

Analog Devices, Inc  
MSOP-8



### [AD22100SRZ](#)

Analog Devices, Inc  
SOIC-8



### [AD590MH](#)

Analog Devices, Inc  
TO-52-3



### [ADT6402SRJZ-RL7](#)

Analog Devices, Inc  
SOT23-6



### [ADT7320UCPZ-R2](#)

Analog Devices, Inc  
LFCSP-16



### [AD7314ARMZ](#)

Analog Devices, Inc  
MSOP-8



### [AD592AN](#)

Analog Devices, Inc  
TO-92