

Low Power Programmable Temperature Controller

Manufacturers	Analog Devices, Inc
Package/Case	SOP8
Product Type	Temperature Sensors
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for TMP01ES or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

TMP01ES is a temperature sensor IC (integrated circuit) manufactured by Texas Instruments. It is a precision analog temperature sensor with an output voltage that is proportional to the temperature being measured.

Features

Accuracy of $\pm 1.5^{\circ}\text{C}$ over the temperature range of -25°C to $+85^{\circ}\text{C}$

Low power consumption of $120\ \mu\text{A}$ (typical) at 5V

Wide operating voltage range of 2.7V to 18V

Small form factor with a tiny package size of SOT23-6

Application

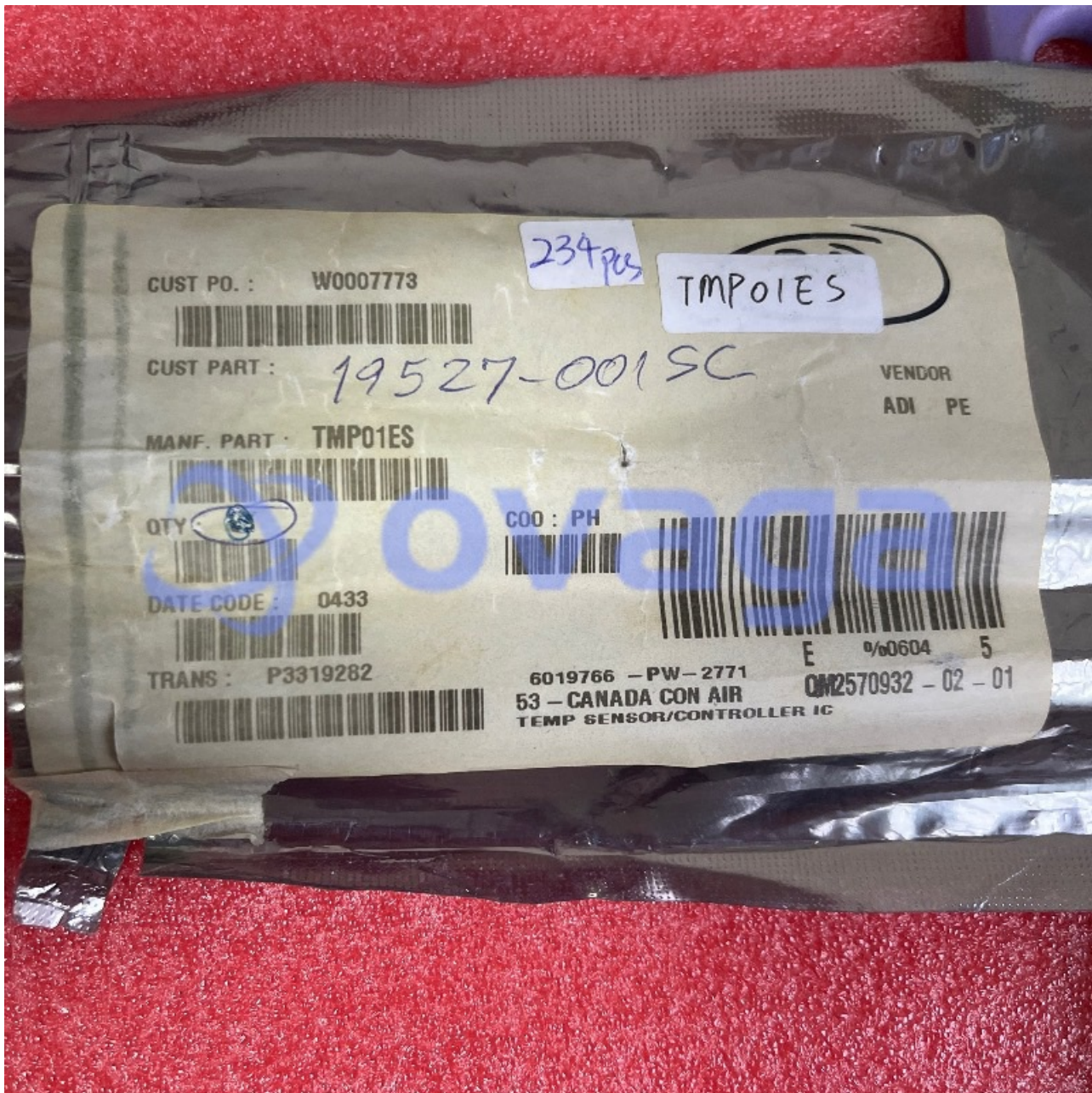
Industrial process control

Environmental monitoring

Temperature-sensitive medical devices

Automotive temperature sensing





Related Products



[TMP36GT9Z](#)

Analog Devices, Inc
TO-92



[TMP01FJ](#)

Analog Devices, Inc
CAN8



[TMP03FS](#)

Analog Devices, Inc
SOP-8



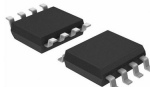
[TMP05AKSZ-500RL7](#)

Analog Devices, Inc
SOT-23-5



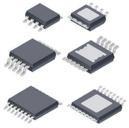
[TMP05BKSZ-500RL7](#)

Analog Devices, Inc
SC-70



[TMP03FSZ](#)

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SO-8



[TMP17FS](#)

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SOIC N



[TMP04FS](#)

Analog Devices, Inc

SOIC 8