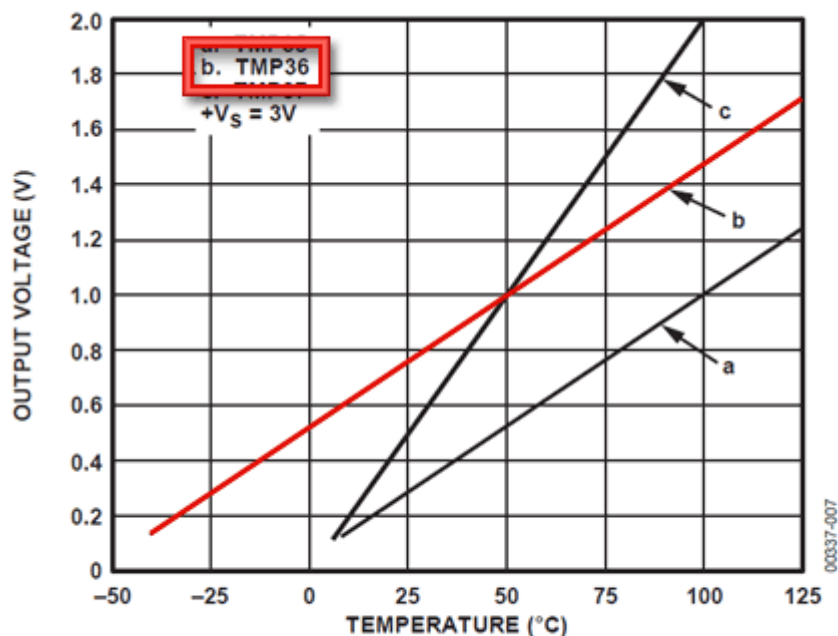# DESCRIPTION

Wide range, low power temperature sensor outputs an analog voltage that is proportional to the ambient temperature. To use, connect pin 1 (left) to power (between 2.7 and 5.5V), pin 3 (right) to ground, and pin 2 to analog in on your microcontroller. The voltage out is 0V at –50°C and 1.75V at 125°C. You can easily calculate the temperature from the voltage in millivolts: **Temp °C = 100*(reading in V) – 50**

See the webpage for datasheets and more information. For a full tutorial with wiring diagrams, code examples and project ideas, please read the temp. sensor tutorial page!

Output Voltage vs. Temperature