

Digital temperature sensor and thermal watchdog

Manufacturers	NXP Semiconductor
Package/Case	8-HWSON
Product Type	Sensors, Transducers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LM75BTP or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

LM75BTP is a digital temperature sensor IC manufactured by Texas Instruments. It is a low-power device that uses the I2C interface to communicate with other devices.

Features

- Measures temperature with a resolution of 0.125°C
- Wide temperature range of -55°C to 125°C
- Accuracy of ±2°C (max) over the entire temperature range
- Supports I2C interface with up to 400kHz clock frequency
- Shutdown mode to conserve power
- 3.0V to 5.5V supply voltage range
- Small package size of SOT-23-6

Application

- Temperature sensing in various electronic devices such as personal computers, mobile phones, and servers
- Industrial temperature monitoring and control
- HVAC (heating, ventilation, and air conditioning) systems
- Automotive temperature sensing applications

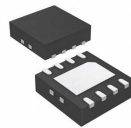


Related Products



[LM75ADP](#)

NXP Semiconductor
TSSOP8



[LM75BGD](#)

NXP Semiconductor
QFN8



[PCT2075DP,118](#)

NXP Semiconductor



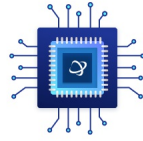
[KTY81-210](#)

NXP Semiconductor
TO-92



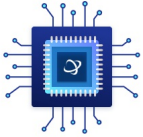
[PCT2075D](#)

NXP Semiconductor



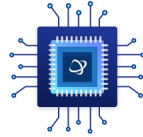
[PCT2075TP](#)

NXP Semiconductor



[SE98ATP](#)

NXP Semiconductor



[SE97BTP](#)

NXP Semiconductor