

MLX90632

SURFACE MOUNT

THERMOMETER IC

MINIATURE INFRARED (IR)



ROBUST TEMPERATURE SENSING WHEN SIZE REALLY MATTERS

MLX90632

The MLX90632 is a miniature SMD thermometer IC for accurate non-contact temperature measurement, especially in thermally dynamic environments and when available space is limited. Primary applications for this device can be found in server rooms, white goods, room temperature monitoring in smart thermostats or integration into portable electronics devices. A medical grade version is available for body temperature measurements applications such as health monitoring wearables and forehead/ear thermometers.

KEY FEATURES

- Accurate and stable operation in thermally challenging environments
- Sx3x1mm QFN package, eliminating the need for bulky TO-can packages
- Factory calibrated with I2C digital interface, 50° field of view
- Commercial grade: object temperatures between -20 °C and 200 °C with typical accuracy of ±1° C
- Medical grade: object temperatures between -20 °C and 100 °C with accuracy of ±0.2° C in the human body temperature range

✓ -20 °C to 85 °C operational temperature range



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