

**Sensor and Detector Interface 5.5V 0.7mA SPI Interface 8-Pin
SOIC N Tube**



Images are for reference only

[Inquiry](#)

Manufacturer: [Maxim Integrated](#)

Package/Case: SOP8

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The MAX6675 performs cold-junction compensation and digitizes the signal from a type-K thermocouple. The data is output in a 12-bit resolution, SPI-compatible, read-only format. This converter resolves temperatures to 0.25°C, allows readings as high as +1024°C, and exhibits thermocouple accuracy of 8 LSBs for temperatures ranging from 0°C to +700°C. The MAX6675 is available in a small, 8-pin SO package.

Key Features

- Direct digital conversion of Type -K thermocouple output
- Cold-junction compensation
- Simple SPI-compatible serial interface
- Open thermocouple detection

Application

- Appliances
- HVAC
- Industrial

Recommended For You

MAX232ESE+

Maxim Integrated
SOP16

MAX14830ETM+

Maxim Integrated
TQFN48

MAX483ESA+

Maxim Integrated
SOP8

MAX232ACSE+T

Maxim Integrated
SOP-16

MAX6675ISA+T

Maxim Integrated
SOP-8

MAX7300AAX+

Maxim Integrated
SSOP-36

MAX485CPA+

Maxim Integrated

DIP8

MAX232CSE+

Maxim Integrated

SOP16

MAX3100EEE+

Maxim Integrated

SSOP16

MAX31855KASA+

Maxim Integrated

SOP-8

MAX22246CAWA+

Maxim Integrated

SOP-8

MAX3140CEI+

Maxim Integrated

SSOP28

MAX9860ETG+T

Maxim Integrated

TQFN-24

MAX3344EEUE+

Maxim Integrated

TSSOP-16

MAX9180EXT

Maxim Integrated

SC70-6