

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number:	MAX71071+
Manufacturer:	Maxim Integrated
Package:	10-TFSOP, 10-MSOP (0.118", 3.00mm Width)
Availability:	Please confirm with sales

Product Page:

<https://antrexco.com/product/details/analog-devices-incmaxim-integrated/max71071.html>

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Contact Information

Email: info@antrexco.com

WhatsApp: +86-186-8066-5326

Website: <https://antrexco.com>

Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

MAX71071, MAX71071H

Dual-Channel Isolated Metrology ADCs

Eliminate Current Transformers with Isolated ADC



Request Full Data Sheet ([https://support.maximintegrated.com/en/nda/basic.mvp?](https://support.maximintegrated.com/en/nda/basic.mvp?doc_type=datasheet&doc_id=8357&team_id=49)

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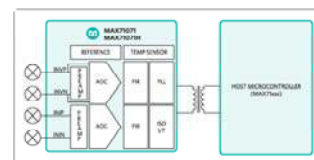
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OVERVIEW

Description

The MAX71071/MAX71071H are dual-channel isolated analog-to-digital converters (ADCs) for use with a compatible MAX71xxx host. The device provides current and voltage measurements to the host while the host provides control, command, and power to the MAX71071/MAX71071H. A pulse transformer provides the isolated data, clock, and power path between the device and host, eliminating the need for additional isolation components in the measurement subsystem.

MAX71071, MAX71071H: Block Diagram



Enlarge++

Key Features

- 0.1% Accuracy Over 2000:1 Current Range
- Exceeds IEC 62053/ANSI C12.20 Standards
- Compatible with Shunt Resistors as Low as 50 $\mu\Omega$
- On-Chip Temperature Sensor Enables Localized Digital Temperature Compensation by the MAX71xxx
- Dual 24-Bit ADC
- Powered from the MAX71xxx Using Pulses Sent Through the Transformer
- 1.4mA Typical Consumption
- On-Chip Power Monitoring
- Industrial Temperature Range
- Small 10-Pin μ MAX[®] Package

Applications/Uses

- Industrial Energy Meters
- Residential Energy Meters
- Smart Grid Monitoring