

TC7107ACKW

Data Sheet

3-1/2 Digit Analog-to-Digital Converters, ADC (A/D Converters) w/LED Driver

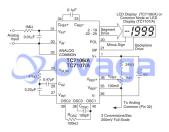
Manufacturers <u>Microchip Technology</u>, Inc

Package/Case MQFP-44

Product Type Power Management ICs

RoHS Rohs

Lifecycle



Images are for reference only

Please submit RFQ for TC7107ACKW or Email to us: sales@ovaga.com We will contact you in 12 hours.

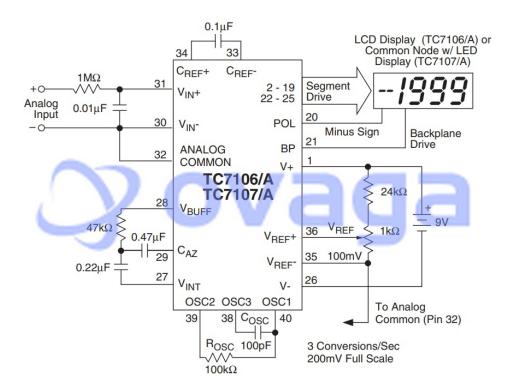
RFO

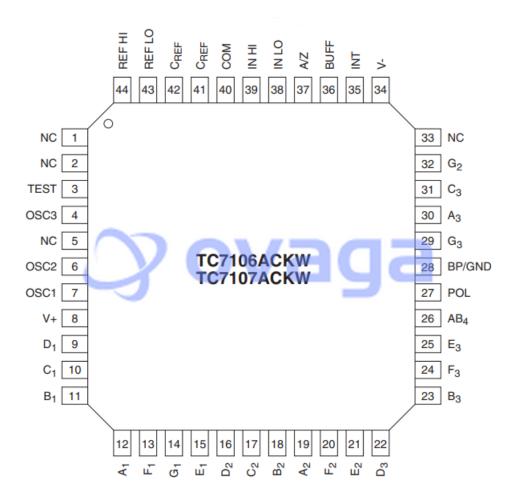
General Description

The TC7107A $3\frac{1}{2}$ digit LED direct-display drive analog-to-digital converters allow existing TC7107 based systems to be upgraded. Each device has a precision reference with a 20ppm/°C max temperature coefficient. This represents a 4 to 7 times improvement over similar $3\frac{1}{2}$ digit converters. Existing TC7107 based systems may be upgraded without changing external passive component values. The TC7107A drives common anode light emitting diode (LED) displays directly with 8mA per segment. A low-cost, high-resolution indicating meter requires only a display, four resistors, and four capacitors. The TC7107A reduces linearity error to less than 1 count. Rollover error (the difference in readings for equal magnitude but opposite polarity input signals) is below ± 1 count. High impedance differential inputs offer 1pA leakage current and a 1012 Ohm input impedance. The differential reference input allows ratiometric measurements for ohms or bridge transducer measurements. The $15\mu\text{Vp-p}$ noise performance guarantees a great reading. The auto-zero cycle guarantees a zero display reading with a zero-volts input.

Features

20ppm/°C Typical





Related Products



TC7662BEOA

Microchip Technology, Inc SOIC-8



TC4428EOA

Microchip Technology, Inc SOIC-8



TC4426EPA

Microchip Technology, Inc PDIP-8



TC4420EOA

Microchip Technology, Inc SOIC-8



TC4426AEOA

Microchip Technology, Inc SOIC-8



TC1015-1.8VCT713

Microchip Technology, Inc SOT-23-5



TC7662BCOA713

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SOIC-8



TC4421EPA

Microchip Technology, Inc
PDIP-8