


AFE General Purpose 1 ADC 16bit $\pm 5V$ 16-Pin PDIP Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	DIP
Product Type:	Data Conversion ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The TC500 is a precision analog front end dual slope A/D converter having a maximum resolution of 16 bits plus sign. The device contains the integrator, zero crossing comparator and processor interface logic, and requires both positive and negative power supplies. The TC500 offers high resolution (up to 16 bits), superior 50Hz/60Hz noise rejection, low power operation, minimum I/O connections, and low input bias currents.

Key Features

- 16-bit Analogue processor
- 3-pin Control interface to microprocessor
- Flexible - Ability to trade-off conversion speed for resolution
- Automatic input voltage polarity detection
- 10mW Low power dissipation
- Directly accepts bipolar and differential input signals

Recommended For You

TC7109CPL

Microchip Technology, Inc
DIP

TC9400CPD

Microchip Technology, Inc
DIP14

TC7109CLW

Microchip Technology, Inc
PLCC44

TC514COI

Microchip Technology, Inc
SOP

TC9402CPD

Microchip Technology, Inc
DIP-14

TC9400COD

Microchip Technology, Inc
SOP14

TC1321EOA

Microchip Technology, Inc
SOP8

TC9401CPD

Microchip Technology, Inc
DIP14

TC500ACOE

Microchip Technology, Inc
SOP16

TC500ACPE

Microchip Technology, Inc
DIP16

TC850CPL

Microchip Technology, Inc
DIP40

TC510COG

Microchip Technology, Inc
SOP

TC7109ACLW

Microchip Technology, Inc
PLCC

TC9400EOD

Microchip Technology, Inc
SOIC

TC514CPJ

Microchip Technology, Inc
DIP28