

VFC/FVC 100kHz 14-Pin PDIP Tube

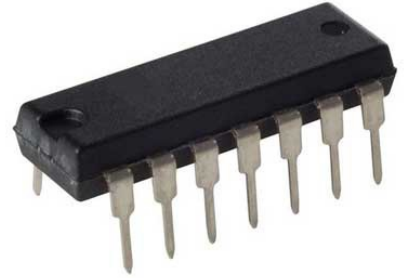
Manufacturer: [Microchip Technology, Inc](#)

Package/Case: DIP14

Product Type: Data Conversion ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

The TC9400/TC9401/TC9402 are low-cost voltage-to-frequency (V/F) converters utilizing low power CMOS technology. The converters accept a variable analog input signal and generate an output pulse train whose frequency is linearly proportional to the input voltage. The devices can also be used as highly-accurate frequency-to-voltage (F/V) converters, accepting virtually any input frequency waveform and providing a linearly-proportional voltage output. A complete V/F or F/V system only requires the addition of two capacitors, three resistors, and reference voltage.

Key Features

Choice of Guaranteed Linearity:

TC9401.....0.01%

TC9400.....0.05%

TC9402.....0.25%

DC to 100 kHz (F/V) or 1Hz to 100kHz (V/F)

Low Power Dissipation: 27mW Typ.

Single/Dual Supply Operation: +8V to +15V or $\pm 4V$ to $\pm 7.5V$

Gain Temperature Stability: ± 25 ppm/ $^{\circ}C$ Typ.

Programmable Scale Factor

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

TC500ACOE

Microchip Technology, Inc
SOP16

TC500ACPE

Microchip Technology, Inc
DIP16

TC850CPL

Microchip Technology, Inc
DIP40

TC500CPE

Microchip Technology, Inc
DIP

TC510COG

Microchip Technology, Inc
SOP

TC7109ACLW

Microchip Technology, Inc
PLCC

TC9400EOD

Microchip Technology, Inc
SOIC

TC514CPJ

Microchip Technology, Inc
DIP28