

VFC/FVC Non-Sync 500kHz 10-Pin TO-100 Tube

Manufacturer: [Analog Devices, Inc](#)

Package/Case: TO100-10

Product Type: Data Conversion ICs

Lifecycle: NRND



Images are for reference only

[Inquiry](#)

General Description

TTL or CMOS compatibility is achieved in the V/F operating mode using an open collector frequency output. The pullup resistor can be connected to voltages up to 30 volts, or to +15 V or +5 V for conventional CMOS or TTL logic levels. This resistor should be chosen to limit current through the open collector output to 8 mA. A larger resistance can be used if driving a high impedance load.

Input offset drift is only 3ppm of full scale per °C, and full-scale calibration drift is held to a maximum of 100 ppm/°C (ADVFC32BH) due to a low T.C. Zener diode.

The ADVFC32 is available in commercial, industrial, and extended temperature grades. The commercial grade is packaged in a 14-pin plastic DIP while the two wider temperature range parts are packaged in hermetically sealed TO-100 cans.

Key Features

High Linearity $\pm 0.01\%$ Max at 10 kHz FS $\pm 0.05\%$ Max at 100 kHz FS $\pm 0.2\%$ Max at 500 kHz FS

Output TTL/CMOS-Compatible

V/F or F/V Conversion

6 Decade Dynamic Range

Voltage or Current Input

Reliable Monolithic Construction

MIL-STD-883-Compliant Versions Available

Recommended For You

AD7305BRZ

Analog Devices, Inc
SOP20

AD9910BSVZ

Analog Devices, Inc
TQFP100

AD9831ASTZ

Analog Devices, Inc
QFP

AD5447YRUZ

Analog Devices, Inc
TSSOP

AD5302BRMZ

Analog Devices, Inc
MSOP10

AD5531BRUZ

Analog Devices, Inc
TSSOP16

AD537JH

Analog Devices, Inc
CAN10

AD652AQ

Analog Devices, Inc
DIP

AD654JN

Analog Devices, Inc
DIP8

AD7740YRMZ

Analog Devices, Inc
MSOP8

AD9914BCPZ

Analog Devices, Inc
LFCSP

AD73311ARSZ

Analog Devices, Inc
SSOP20

AD7291BCPZ

Analog Devices, Inc
LFCSP20

AD9954YSVZ

Analog Devices, Inc
QFP

AD2S1205YSTZ

Analog Devices, Inc
LQFP44