

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

**Manufacturer:** [Analog Devices, Inc](#)

**Package/Case:** TO-100-10

**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