

Input/Output Subsystem 12-Pin PDIP Tube

Manufacturer:	<u>Analog Devices, Inc</u>
Package/Case:	DIP
Product Type:	Drivers
Lifecycle:	NRND



Images are for reference only

[Inquiry](#)

General Description

The 1B22 is an isolated voltage-to-current converter that incorporates transformer isolation to achieve high performance and automated surface mount manufacturing for low cost and increased reliability. Designed for industrial applications, it is especially suited for harsh environments with extremely high common mode interference. With programmable inputs and outputs, the 1B22 provides an unbeatable combination of versatility and performance in a compact plastic package.

Key Features

Internal Isolated Loop Supply Drives 1000 Ω Load

Pin Programmable Inputs: 0 V to +5 V or 0 V to +10 V

Pin Programmable Outputs: 4 to 20 mA or 0 to 20 mA

High CMV Isolation: 1500 V RMS

Normal-Mode Output Protection: 240 V RMS

High Accuracy Low Offset Tempco: $\pm 300\text{nA}/^\circ\text{C}$ Low Gain Tempco: $\pm 50\text{ppm}/^\circ\text{C}$ Low Nonlinearity: $\pm 0.02\%$

High CMR: 90dB min

Small Package: 1.0"x2.10"x0.35"

Meets IEEE std. 472: CMV Transient Protection (SWC)

Application

Multichannel Process Control

D/A Converter - Current Loop Interface

Analog Transmitters and Controllers

Remote Data Acquisition System



Recommended For You

ADR01BRZ

Analog Devices, Inc
SOP8

ADR391BUJZ-REEL7

Analog Devices, Inc
SOT23-5

ADuM4121BRIZ

Analog Devices, Inc
8-LeadSOIC(Increased

ADuM3221BRZ

Analog Devices, Inc
SOP8

ADR01BKSZ-REEL7

Analog Devices, Inc
SC70-5

ADR361BUJZ-REEL7

Analog Devices, Inc
SOT23-5

ADMI294-1BACPZ

Analog Devices, Inc
LFCSP-16

ADMI293-1BARUZ

Analog Devices, Inc
TSSOP14

ADP196ACPZN-R7

Analog Devices, Inc
LFCSP-6

LTC4412ES6

Analog Devices, Inc
SOT23-6

REF195GRUZ

Analog Devices, Inc
TSSOP8

LTC4259ACGW-1

Analog Devices, Inc
SSOP36

ADP191ACBZ-R7

Analog Devices, Inc
WLCSP4

AD581LH

Analog Devices, Inc
CAN3

HMC981LP3E

Analog Devices, Inc
QFN-16