

CERTIFICATE OF COMPLIANCE

Certificate Number 20160205-E214100
Report Reference E214100-20060411
Issue Date 2016-FEBRUARY-05

Issued to: ANALOG DEVICES INC
804 WOBURN ST
WILMINGTON MA 01887-3494

**This is to certify that
representative samples of**

COMPONENT - NONOPTICAL ISOLATING DEVICES
Single protection Non-Optical Isolators, Models
AD7400AYNSZ, AD7400AYRWZ, AD7400YRWZ,
AD7401ABRWZ, AD7401AYRWZ, AD7401YRWZ,
AD7402BRIZ, AD7402-8BRIZ, AD7403BRIZ, AD7403TRIZ-
EP, AD7403-8BRIZ, AD7405BRIZ, and ADW70015Z

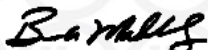
Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: Standard for Optical Isolators UL 1577
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Recognized components are incomplete in certain constructional features or restricted in performance
capabilities and are intended for use as components of complete equipment submitted for investigation rather
than for direct separate installation in the field. The final acceptance of the component is dependent upon its
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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File E214100

Project 05CA57964

April 11, 2006

REPORT

on

COMPONENT - NON-OPTICAL ISOLATORS

Analog Devices Inc.
Wilmington, MA

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DESCRIPTION

PRODUCT COVERED:

* USR - Single protection Non-Optical Isolators, Models **AD7400AYNSZ**, **AD7400AYRWZ**, **AD7400YRWZ**, **AD7401ABRWZ**, **AD7401AYRWZ**, **AD7401YRWZ**, **AD7402BRIZ**, **AD7402-8BRIZ**, **AD7403BRIZ**, **AD7403TRIZ-EP**, **AD7403-8BRIZ**, **AD7405BRIZ**, and **ADW70015Z**.

GENERAL CHARACTERISTIC AND USE (Not for UL Representative Use):

These are magnetically coupled devices consisting of two physically separated die in the same package. They are intended to provide electrical isolation between input and output terminals.

*MAXIMUM RATINGS PER CHANNEL (at 25°C ambient) (\$):

Model	Current (mA)		Power (mW)		Isolation Voltage at 60 sec (Vrms)	Max Operating Ambient Temp (°C)	Max Junction Temp (°C)	Max Storage Temp (°C)	Max Data Rate, MHz
	Encoder (Side 1)	Decoder (Side 2)	Encoder (Side 1)	Decoder (Side 2)					
AD7400AYNSZ , AD7400AYRWZ , AD7400YRWZ	18	18	94.5	94.5	5000	125	125	150	10
AD7401ABRWZ , AD7401AYRWZ , AD7401YRWZ , ADW70015Z	18	18	94.5	94.5	5000	125	125	150	20
AD7402BRIZ	31	7	170.5	38.5	5000	125	150	150	10
AD7402-8BRIZ	31	7	170.5	38.5	5000	105	150	150	10
AD7403BRIZ	33.5	16	184	88	5000	125	150	150	20
AD7403-8BRIZ	33.5	16	184	88	5000	105	150	150	20
AD7403TRIZ-EP	33.5	16	184	88	5000	125	150	150	16
AD7405BRIZ	36	22	198	121	5000	125	150	150	20

(\$) - For ambient temperatures higher than 25°C and up to T_{moa}, refer to manufacturer's specifications and/or thermal derating curve data for complete electrical ratings.

Nomenclature Breakdown:

AD7400	A	Y	NS	Z
I	II	III	IV	V

I - Model Series

II - Encoder Chip Model

None = Part no. N70 or N981

A = Part no. N79

-8 = Indicates 8 pin part no.

III - Temperature Range

Y = -40°C to 125°C

B = -40°C to 125°C

T = -55°C to 125°C

IV - Package Type

NS = 8 lead, Gullwing

RW = 16 lead, WB-SOIC

RI = 16 or 8 lead WB-SOIC with increased Creepage.

Z - Lead free (manufacturer's declaration)

ENGINEERING CONSIDERATIONS (Not for UL Representative Use:)

Use - For use only in products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability -

1. The capability of the device to control a load has not been investigated.
2. These devices should be installed in a suitable end product enclosure.
- *3. The maximum temperature on the case should not exceed the maximum **case** temperature rating specified in the ratings table.
- *4. For double protection devices, the insulation to the case has been evaluated to the isolation voltage specified in the ratings table.