CERTIFICATE OF COMPLIANCE

Certificate Number	20180118-E214100
Report Reference	E214100-20180118
Issue Date	2018-JANUARY-18
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 Isolator, Models ADuM7701, ADuM7702, ADuM7702E, ADuM7703, ADuM7704, ADuM7705, ADuM7706, ADuM7707, ADuM7708; may be followed by additional suffixes. Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 1577, Optical Isolators
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.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

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

File E214100
Project 4788271090

January 18, 2018

REPORT

on

COMPONENT - Nonoptical Isolating Devices

ANALOG DEVICES INC
WILMINGTON, MA

DESCRIPTION

PRODUCT COVERED:

USR Single Protection Non-Optical Isolator, Models ADuM7701, ADuM7702, ADuM7702E, ADuM7703, ADuM7704, ADuM7705, ADuM7706, ADuM7707, ADuM7708; may be followed by additional suffixes.

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, Mbps
	Side 1 Transmitter	Side 2 Receiver	Side 1 Transmitter	Side 2 Receiver					
ADuM7701	3	10	16.5	55	5700	125	150	150	42
ADuM7702	3	10	16.5	55	5700	125	150	150	42
ADuM7702E	3	10	16.5	55	5700	125	150	150	42
ADuM7703	3	10	16.5	55	5700	125	150	150	42
ADuM7704	3	10	16.5	55	5700	125	150	150	42
ADuM7705	9	10	49.5	55	5700	125	150	150	42
ADuM7706	9	10	49.5	55	5700	125	150	150	42
ADuM7707	9	10	49.5	200	5700	125	150	150	42
ADuM7708	9	10	49.5	200	5700	125	150	150	42

($) - For ambient temperatures higher than 25°C and up to Tmoa, refer to manufacturer’s specifications and/or thermal derating curve data for complete electrical ratings.

GENERAL:

These non-optical isolator devices consist of a transmitter coupled to a receiver. The transmitter and receiver are separated by an [insulating transformer and insulating barrier. Internal chips are connected to lead frames that are molded into the enclosure.

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in products where the acceptability of the combination is determined by UL LLC.

USR indicates this product was investigated under the UL Standard for Safety for Optical Isolators, UL 1577, Fifth Edition, **revised June 11, 2019.**
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Conditions of Acceptability - Each device shall be reviewed with respect to the following 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 junction temperature shall not be exceeded.

4. For single protection devices, the insulation to the case has not been evaluated. For double protection devices, the insulation to the case has been evaluated to the isolation voltage specified in the ratings table.

5. In addition to meeting single protection requirements, double protection optical isolators have also been investigated for use in up to 250 V, 50/60 Hz circuits in audio, video, and similar equipment in applications in which breakdown of the optical isolator may result in a risk of fire, electrical shock, or injury to persons.

CONSTRUCTION DETAILS:

General - The product shall be constructed in accordance with the following description. All dimensions are approximate, unless specified as “max” or “min”.

Markings – As specified in the Section General.