Certificate of Compliance

Certificate Number(s):
UL-US-26107572-0

Report Reference:
E214100-20260304

Issue Date:
2026-03-05

Issued to:

ANALOG DEVICES INC
804 WOBURN ST, WILMINGTON, MIDDLESEX, MA, 01887-3494, US

This certificate confirms that representative samples of:
FPPT2 - Nonoptical Isolating Devices - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

UL 1577, Edition 5, Issue Date 2014-04-25, Revision Date 2023-07-06

Additional Information:
See UL Product iQ® at https://iq.ulprospector.com for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

David Piecuch
UL Mark Certification Program Manager

CERTIFICATE OF COMPLIANCE

Certificate number(s): UL-US-26107572-0
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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Single protection non-optical isolators at 5700 Vac isolation voltage

Model(s): ADUM7811BRWZ, ADUM7811-8BRIZ, ADUM7801-8BRIZ, ADUM7812BRWZ, ADUM7802BRWZ, ADUM7801BRWZ, ADUM7812-8BRIZ, ADUM7802-8BRIZ *may be followed by additional suffixes.*

File E214100
Project 4792149567

March 4, 2026

REPORT

on

COMPONENT - NONOPTICAL ISOLATING DEVICES

ANALOG DEVICES INC
WILMINGTON, MA

DESCRIPTION

PRODUCT COVERED:

USR – Single Protection Non-Optical Isolator, Models ADUM7801BRWZ, ADUM7801-8BRIZ, ADUM7802BRWZ, ADUM7802-8BRIZ, ADUM7811BRWZ, ADUM7811-8BRIZ, ADUM7812BRWZ, ADUM7812-8BRIZ; 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 (MHz)
	Encoder (Side1)	Decoder (Side 2)	Encoder (Side 1)	Decoder (Side 2)					
ADUM7801BRWZ	16	4	88	22	5700	125	150	150	25
ADUM7801-8BRIZ	16	4	88	22	5700	125	150	150	25
ADUM7802BRWZ	16	4	88	22	5700	125	150	150	25
ADUM7802-8BRIZ	16	4	88	22	5700	125	150	150	25
ADUM7811BRWZ	23	4	127	22	5700	125	150	150	50
ADUM7811-8BRIZ	23	4	127	22	5700	125	150	150	50
ADUM7812BRWZ	23	4	127	22	5700	125	150	150	50
ADUM7812-8BRIZ	23	4	127	22	5700	125	150	150	50

($) - 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 July 6, 2023.

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.