

Certificate of Compliance

Certificate Number:

UL-US-L214100-11-
92907102-1

Report Reference:

E214100-20170929

Issue Date:

2024-05-30

Issued to:

ANALOG DEVICES INC
804 WOBURN ST WILMINGTON, MA 01887-3494
United States

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



Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.

CERTIFICATE OF COMPLIANCE

Certificate number UL-US-L214100-11-92907102-1
Report reference E214100-20170929
Date 2024-05-30

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Model	Product Description
ADP1071-1ACCZ, may have additional suffixes.	Single protection non-optical isolators at 3000 Vac isolation voltage
ADP1071-2ACCZ, may have additional suffixes.	Single protection non-optical isolators at 3000 Vac isolation voltage
ADP1074, ADP1071-1, ADP1071-2	Non-optical isolators, isolation voltage 5000 vac, single protection type
ADP1074ACCZ, may have additional suffixes.	Single protection non-optical isolators at 3000 Vac isolation voltage



David Piecuch
UL Mark Certification Program Manager

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.



File E214100
Project 4788044294

September 29, 2017

REPORT

on

COMPONENT - Nonoptical Isolating Devices

ANALOG DEVICE INC.
WILMINGTON, MA

Copyright © 2017 UL LLC

UL LLC authorizes the above named company to reproduce this Report only for purposes as described in the Conclusion. The Report should be reproduced in its entirety; however to protect confidential product information, the Construction Details Descriptive pages may be excluded.

DESCRIPTION

PRODUCT COVERED:

*USR - Single Protection Non-Optical Isolator, Model ADP1071-1, **ADP1071-1ACCZ, ADP1071-2, ADP1071-2ACCZ, ADP1074, and ADP1074ACCZ.** All models may have additional suffixes.

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

Model	Current (mA)		Power (mW)		Isolation Voltage (AC)	Max Operating Temp (°C)	Max Junction Temp (°C)	Max Storage Temp (°C)	Max Data Rate
	Encoder	Decoder	Encoder	Decoder					
*ADP1071-1	16.6	22	199	264	5000	125	125	150	600khz
ADP1071-1ACCZ	16.6	12.1	207.5	144.1	3000	125	150	150	10 Mbps
ADP1071-2	16.6	22	264	264	5000	125	125	150	600khz
ADP1071-2ACCZ	22	12.1	275	144.1	3000	125	150	150	10 Mbps
ADP1074	19.5	18	264	216	5000	125	125	150	600khz
ADP1074ACCZ	19.5	18	253.5	216	3000	125	150	150	10 Mbps

(\$) - 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.

GENERAL:

These non-optical isolator devices consist of a transmitter coupled to a receiver. The transmitter and receiver are separated by an 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.