

CERTIFICATE OF COMPLIANCE

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Issued to: TEXAS INSTRUMENTS TUCSON CORP
5411 E WILLIAMS BLVD
TUCSON AZ 85711

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

COMPONENT - NONOPTICAL ISOLATING DEVICES
Single Protection Non-Optical Isolators, Models ISO1540,
ISO1541, ISO7420, ISO7421, ISO7520, SN1007074, and
ISO7521, may be followed by additional letters and/or
numbers.

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

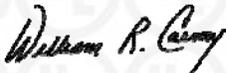
Standard(s) for Safety: UL 1577, Standard for Optical Isolators
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Recognized Component Mark should be considered as being covered by UL's Recognition 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 Recognized Component Mark on the product.



William R. Carney, Director, North American Certification Programs
UL LLC

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Project 10SC04490

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REPORT

on

COMPONENT - NON-OPTICAL ISOLATING DEVICES

Texas Instruments, Tucson Corp.
Tucson, Arizona 85706

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DESCRIPTION

PRODUCT COVERED:

USR - Single Protection Non-Optical Isolators, Models ISO1540, ISO1541, ISO7420, ISO7421, ISO7520, **SN1007074**, and ISO7521, may be followed by additional letters and/or numbers.

ELECTRICAL PER CHANNEL RATINGS (at nominal operating temperature):

Model	Current (mA)		Power (mW)		Isolation Voltage Vac	T _{moa} (°C)	Max T _j (°C)	Max T _s (°C)	Max Data Transmission Speed (Mbps)
	Encoder (Emitter)	Decoder (Sensor)	Encoder (Emitter)	Decoder (Sensor)					
ISO1540	4.7	4	25.9	22	2500	125	150	150	1
ISO1541	4.5	4	24.8	22	2500	125	150	150	1
ISO7420	5	20	28	110	2500	125	150	150	100
ISO7421	12	12	66	66	2500	125	150	150	100
ISO7520	5	20	28	110	4243	125	150	150	100
SN1007074	5	20	28	110	2500	125	150	150	100
ISO7521	12	12	66	66	4243	125	150	150	100

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

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

USR - Indicates this product was investigated under the UL Standard for Safety for Optical Isolators, UL 1577, Fourth Edition.

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. If the maximum operating (ambient) temperature exceeds the rating noted in the ratings table, additional means should be used to determine if the maximum junction temperature of the device is 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.

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