CERTIFICATE OF COMPLIANCE

Certificate Number	20150127-E181974
Report Reference	E181974-20080425
Issue Date	2015-JANUARY-27
Issued to:	Texas Instruments Tucson Corp 5411 E Williams Blvd Tucson AZ 85711-4493
This is to certify that representative samples of	COMPONENT - NONOPTICAL ISOLATING DEVICES Single Protection Non-Optical Isolators, Models ISO15, ISO35, ISO1176, ISO3080, ISO3082, ISO3086, ISO3088, may be followed by any suffix except T. Single Protection Non-Optical Isolators, Models ISO35T, ISO1176T, ISO3086T, may be followed by any suffix. 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. CSA Component Acceptance Service No. 5A.
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, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

File E181974
Project 08SC02111

April 25, 2008

REPORT

on

COMPONENT - NON-OPTICAL ISOLATING DEVICES

Texas Instruments, Tucson Corp.
Tucson, Arizona 85706

DESCRIPTION

PRODUCT COVERED:

*USR – Single Protection Non-Optical Isolators, Models ISO15, ISO35, ISO1176, ISO3080, ISO3082, ISO3086, ISO3088, **may be followed by any suffix except T.**

USR, CNR – Single Protection Non-Optical Isolators, Models ISO35T, ISO1176T, ISO3086T, may be followed by any suffix.

ELECTRICAL RATINGS (at nominal operating temperature):

Model	Current (mA)		Power (mW)		Isolation Voltage V ac/dc	Max Operating Temp (°C)	Data Transmission Speed (Mbps)	Max Case Temp (°C)	Max Junction Temp (°C)	Max Storage Temp (°C)
	Encoder (Emitter)	Decoder (Sensor)	Encoder (Emitter)	Decoder (Sensor)						
ISO15	10 / 1	11	55	40	2500 Vac 4000Vdc	125	-	147	150	170
							-			
ISO35	10 / 1	11	55	40	2500Vac 4000Vdc	125	-	147	150	170
ISO35T	8.5	95	30.6	342	2500 Vac	85	1	-	170	150
ISO1176	10 / 40	17	55	94	2500Vac 4000Vdc	125	-	145	150	170
ISO1176T	20	116	110	609	2500 Vac	85	40	-	170	150
ISO3080	10 / 0.2	17	55	94	2500Vac 4000Vdc	125	-	145	150	170
ISO3082	10 / 0.2	17	55	94	2500Vac 4000Vdc	125	-	145	150	170
ISO3086	10 / 20	17	55	94	2500Vac 4000Vdc	125	-	145	150	170
ISO3086T	14	75	77	413	2500 Vac	85	20	-	170	150
ISO3088	10 / 20	17	55	94	2500Vac 4000Vdc	125	-	145	150	170

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.

CNR indicates this product was investigated under the Canadian Certification Notice, CSA Component Acceptance Service No. 5A.

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 operating (ambient) temperature, as noted in the ratings table, shall not be exceeded. See ILL. 1 for derating curves.

*4. For single protection devices, the insulation to the case has not been evaluated.

*

5. The maximum case temperature shall not be exceeded, as noted in the ratings table.

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