



Certificate of Compliance

Certificate: 2731770

Master Contract: 205078

Project: 2731770

Date Issued: November 10, 2014

Issued to: Analog Devices Inc.
804 Woburn St.
Wilmington, MA 01887-3462
USA
Attention: Al McEvoy

*The products listed below are eligible to bear
the CSA Mark shown with adjacent indicator*



Issued by: *Martin Buchanan*
Martin Buchanan, P. Eng.

PRODUCTS

CLASS 9073 30 - ELECTRONIC COMPONENTS – Optoisolators

Component Acceptance of Optoisolator Like Magnetic Coupling Devices:

Device	Rating		Applicable Standards/Notices	Internal		External
	(k V)	(°C)		Creepage (mm)	Dist Thru (mm)	Creepage/ Clearance (mm)
QSOP16						
ADuM3190xRQZ ADuM3190WxRQZ	2.5	125	CSA CA5A, 14-13, 60950-1-07+A1+A2 IEC 60950-1 2 nd Ed.+A1+A2 EN 60950-1:2006+A1+A12+A2	-	-	3.2

where x is a letter indicating speed grade and where Z, if used, indicates the lead-free version. Further suffix letters or digits differentiate shipping package formats.



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Notes:

1. These devices meet basic insulation requirements for 320Vrms (452Vp) for CSA 60950-1-07+A1+A2 and IEC 60950-1 2nd Ed.+A1+A2 and EN 60950-1:2006+A1+A12+A2. (pollution degree 2, material group III)
3. Case material CTI=600V, erosion depth 0.165mm. (meets material group I)
4. Evaluated by thermal cycling and other tests for a temperature rating of 125C.
5. The creepage and clearance has been evaluated for altitudes $\leq 2000\text{m}$, in pollution degree 2 and overvoltage category II.

These devices are Component Accepted as components for use in other Certified equipment where the suitability of the combination shall be determined by investigation in the final application.

APPLICABLE REQUIREMENTS

Component Acceptance Notice 5A (CA 5A) - Announcement of Extension of the Component
Acceptance Service for Optocouplers and Related
Devices

- | | | |
|---------------------------------------|---|---|
| CAN/CSA-C22.2 No 14-13 | - | Industrial Control Equipment |
| CAN/CSA-C22.2 No 60950-1-07+A1+A2 | - | Information Technology Equipment - Safety - Part 1:
General Requirements (Bi-national Standard, with UL 60950-1) |
| IEC 60950-1 2 nd Ed.+A1+A2 | - | Information Technology Equipment - Safety - Part 1: General
Requirements |
| EN 60950-1:2006+A1+A12+A2 | - | Information Technology Equipment - Safety - Part 1: General
Requirements |