

Certificate of Compliance

Certificate Number(s):

UL-US-L181974-14-
32205102-11

Report Reference:

E181974-20150223

Issue Date:

2026-04-07

Issued to:

Texas Instruments Incorporated
12500 T I BLVD, DALLAS, TX, 75243, 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



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CERTIFICATE OF COMPLIANCE

Certificate number(s): UL-US-L181974-14-32205102-11
Report reference: E181974-20150223
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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 protected non-optical isolators providing 3000 Vac isolation

Model(s): ISO7721FS*

Model(s): ISO1212S (16DBQ pkg), ISO1211S (8D pkg) *May be followed by any suffix.*

Single protected non-optical isolators providing 3000 Vac isolation,

Model(s): ISO6721 (8D pkg)*, ISO7021*, ISO1044*, ISO1640 (8D pkg)*, ISO1641 (8D pkg)*, ISO6720 (8D pkg)*

Single protected non-optical isolators providing 5000 Vac isolation

Model(s): ISOW1412*, ISOW7740*, ISOW7741*, ISOW7743*, ISOW7742*, ISOW7744*

Single protected non-optical isolators providing 5000 Vac isolation,

Model(s): ISO6720 (8DWV pkg)*, ISO6721 (8DWV pkg)*, ISO6731*, ISO6740*, ISO6741*, ISO6742*

Single protection non-optical isolators at 3000 Vac isolation voltage

Model(s): ISO6421 (D pkg), ISO6431 (DBQ pkg), ISO6721R (8D Pkg), ISOS141 (16DBQ Pkg), ISO6440 (DBQ pkg), ISOUSB111B (16DW Pkg), ISO6441 (DBQ pkg), ISO6442 (DBQ pkg), ISO6420 (D pkg), ISOUSB211B (28DP Pkg)
May be followed by any suffix.

Single protection non-optical isolators at 3750 Vac / 5303 Vdc isolation voltage

Model(s): TPSI2140-Q1, TPSI2072-Q1 *May be followed by any suffix.*

Single protection non-optical isolators at 3750 Vac isolation voltage

Model(s): ISOM8710, ISOM8711 *May be followed by any suffix.*

Single protection non-optical isolators at 5000 Vac isolation voltage

Model(s): AMC0380D16DFX, AMC0300RQDWV, AMC0330RDWV, AMC0380D04DFX, AMC0380D10QDFX, AMC0300DQDWV, AMC0311SQDWV, AMC0330SDWV, AMC0311RQDWV, AMC0311DDWV, AMC0386M06DFX, AMC0381D04QDFX, AMC0303QDWV, AMC0300DDWV, AMC0330DDWV, AMC0381D06QDFX, AMC0380D10DFX, AMC0311DQDWV, AMC0306M05QDWV, AMC0302DWV, AMC0381D06DFX, AMC0386M16QDFX, AMC0386M04DFX, AMC0381D16DFX, AMC0381D10DFX, AMC0386M16DFX, AMC0306M25DWV, AMC0302DQDWV, AMC0300RDWV, AMC0386M10QDFX, AMC0311SDWV, AMC0330SQDWV, AMC0386M06QDFX, AMC0380D04QDFX, AMC0330RQDWV, AMC0303DWV, AMC0330DQDWV, AMC0381D04DFX, AMC0306M25QDWV, AMC0380D06DFX, AMC0302RDWV, AMC0336DWV, AMC0386M04QDFX, AMC0302RQDWV, AMC0380D16QDFX, AMC0381D16QDFX, AMC1200(C)(-,Q)DWV, AMC0311RDWV, AMC1200(C)(-,Q)DUB, AMC0386M10DFX, AMC0381D10QDFX, AMC0336QDWV, AMC0380D06QDFX *May be followed by -. R Q1, RQ1 or any other suffix.*

Model(s): ISOW1044 (20-DFM PKG), ISO6461 (DW pkg), ISOW1432 (20-DFM PKG), ISO6460 (DW pkg), ISOM8117 (DFS pkg), ISO6760 (16DW Pkg), ISOM8111 (DFS pkg), ISO6761 (16DW Pkg), ISO6762 (16DW Pkg), ISO6763 (16DW Pkg), ISO6442 (DW pkg), ISOM8116 (DFS pkg), ISOM8118 (DFS pkg), ISO6421 (DWV pkg), ISOW7721, ISOM8115 (DFS pkg), ISO6431 (DW pkg), ISO6440 (DW pkg), ISOM8110 (DFS pkg), ISO6420 (DWV pkg), ISOM8112 (DFS pkg), ISO1640 (16DW Pkg), ISO6442 (DFP pkg), ISO6441 (DW pkg), ISOM8113 (DFS pkg), ISO6463 (DW pkg), ISO1641 (16DW Pkg), ISO1642 (16DW Pkg), ISO1643 (16DW Pkg), ISO6462 (DW pkg), ISO6440 (DFP pkg), ISO1644 (16DW Pkg), ISO6441 (DFP pkg), ISO6431 (DFP pkg) *May be followed by any suffix.*

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Single protection non-optical isolators at 5700 Vac isolation voltage

Model(s): ISOUSB111 (16DW Pkg), ISOUSB111 (DWX pkg), ISOUSB211 (28DP Pkg) *May be followed by any suffix.*

Single protection, non-optical isolators at 3000 Vac isolation voltage

Model(s): ISO7741FS*, ISO7310*, ISO7330*, ISO7331*, ISO7342*, ISO1211*, ISO7762 (16DBQ pkg)*, SN003021 (8D pkg)*, ISO7321*, ISO7341*, ISO7041*, ISO7742FS*, ISO7320*, ISO7763 (16DBQ pkg)*, ISO1212*, ISO7340*, ISO7760 (16DBQ pkg)*

Model(s): ISO7710 (8D pkg), ISO7763 (16DBQ pkg), ISO7761 (16DBQ pkg), ISO7760 (16DBQ pkg), ISO7730 (16DBQ pkg), SN003021 (8D pkg), ISO6721R (8D pkg), ISO7741 (16DBQ pkg), ISO1228, ISO7721FS (8D pkg), ISO7731 (16DBQ pkg), ISO7730 (16DW pkg), ISO7761 (16DBQ pkg)*, ISO7721 (8D pkg), ISO1500 (16DBQ pkg), ISO7741FS (16DBQ pkg), ISO7761 (16DW pkg), ISO7762 (16DBQ pkg), ISO7742 (16DBQ pkg), ISO7720 (8D pkg), ISO7742FS (16DBQ pkg) *May be followed by any suffix.*

Single protection, non-optical isolators at 3750 Vac isolation voltage

Model(s): ISOM8116, ISOM8610, ISOM8113, ISOM8115, ISOM8112, ISOM8110, ISOM8111, ISOM8117, ISOM8118 *May be followed by any suffix.*

Single protection, non-optical isolators at 5000 Vac isolation voltage

Model(s): ISOW7840*, ISOW7843*, ISOW7822*, ISOW7844*, ISOW7820*, ISOW7841*, ISOW7821*, ISOW7842*

Model(s): ISO7742FT, ISO7742T, ISO7741T, ISO6163, ISO1410 (16DW pkg), ISO1430 (16DW pkg), ISO1432 (16DW pkg), ISO1412 (16DW pkg), ISO1042 (8DWV pkg), ISO1450 (16DW pkg), ISO1452 (16DW pkg), ISO7741FT, ISO1042 (16DW pkg) *May be followed by any suffix.*

Single protection, non-optical isolators at 5700 Vac isolation voltage

Model(s): SN1506011*, ISO7720*, ISO7821LLS*, ISO7830*, ISO5451*, ISO7842*, ISO7820*, ISO7710*, ISO7761 (16DW pkg)*, ISO7821LL*, ISO7841*, ISO7810*, ISO5852S*, ISO7821*, ISO7721*, SN005721*, ISO7820LL*, ISO7831*, ISO5452*, ISO7840*, ISO5851*

Model(s): ISO6742 (16DWW pkg), ISO7741 (16DWW pkg), ISO7740 (16DBQ pkg), ISO7721 (16DW pkg), ISO7720 (16DW pkg), ISO7710 (16DW pkg), ISO7760 (16DW pkg), ISO7710 (8DWV pkg), ISO7762 (16DW pkg), ISO7731 (16DW pkg), ISO7720 (8DWV pkg), ISO7763 (16DW pkg), ISO7740 (16DW pkg), ISO7741E-Q1 (16DW pkg), ISO7721 (8DWV pkg), ISO7741 (16DW pkg), ISO7742 (16DW pkg) *May be followed by any suffix.*

Certificate of Compliance

Certificate Number(s):

UL-CA-L181974-24-
32205102-8

Report Reference:

E181974-20150223

Issue Date:

2026-04-07

Issued to:

Texas Instruments Incorporated
12500 T I BLVD, DALLAS, TX, 75243, US

This certificate confirms that representative samples of:

FPPT8 - Nonoptical Isolating Devices Certified for Canada - 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.

CSA Component Acceptance Service Notice No. 5A, Issue Date: 1998-01-23

Additional Information:

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

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UL Mark Certification Program Manager



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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 protected non-optical isolators providing 3000 Vac isolation,

Model(s): ISO6721 (8D pkg)*, ISO7021*, ISO1044*, ISO1640 (8D pkg)*, ISO1641 (8D pkg)*, ISO6720 (8D pkg)*

Single protected non-optical isolators providing 5000 Vac isolation,

Model(s): ISO6720 (8DWV pkg)*, ISO6721 (8DWV pkg)*, ISO6731*, ISO6740*, ISO6741*, ISO6742*

Single protection non-optical isolators at 3000 Vac isolation voltage

Model(s): ISO6421 (D pkg), ISO6431 (DBQ pkg), ISO6440 (DBQ pkg), ISO6441 (DBQ pkg), ISO6442 (DBQ pkg), ISO6420 (D pkg) *May be followed by any suffix.*

Single protection non-optical isolators at 3750 Vac / 5303 Vdc isolation voltage

Model(s): TPSI2140-Q1, TPSI2072-Q1 *May be followed by any suffix.*

Single protection non-optical isolators at 5000 Vac isolation voltage

Model(s): AMC0380D16DFX, AMC0300RQDWV, AMC0330RDWV, AMC0380D04DFX, AMC0380D10QDFX, AMC0300DQDWV, AMC0311SQDWV, AMC0330SDWV, AMC0311RQDWV, AMC0311DDWV, AMC0386M06DFX, AMC0381D04QDFX, AMC0303QDWV, AMC0300DDWV, AMC0330DDWV, AMC0381D06QDFX, AMC0380D10DFX, AMC0311DQDWV, AMC0306M05QDWV, AMC0302DWV, AMC0381D06DFX, AMC0386M16QDFX, AMC0386M04DFX, AMC0381D16DFX, AMC0381D10DFX, AMC0386M16DFX, AMC0306M25DWV, AMC0302DQDWV, AMC0300RDWV, AMC0386M10QDFX, AMC0311SDWV, AMC0330SQDWV, AMC0386M06QDFX, AMC0380D04QDFX, AMC0330RQDWV, AMC0303DWV, AMC0330DQDWV, AMC0381D04DFX, AMC0306M25QDWV, AMC0380D06DFX, AMC0302RDWV, AMC0336DWV, AMC0386M04QDFX, AMC0302RQDWV, AMC0380D16QDFX, AMC0381D16QDFX, AMC1200(C)(-Q)DWV, AMC0311RDWV, AMC1200(C)(-Q)DUB, AMC0386M10DFX, AMC0381D10QDFX, AMC0336QDWV, AMC0380D06QDFX *May be followed by -. R Q1, RQ1 or any other suffix.*

Model(s): ISO6461 (DW pkg), ISO6460 (DW pkg), ISOM8117 (DFS pkg), ISO6760 (16DW Pkg), ISOM8111 (DFS pkg), ISO6442 (DW pkg), ISOM8116 (DFS pkg), ISOM8118 (DFS pkg), ISO6421 (DWV pkg), ISOM8115 (DFS pkg), ISO6431 (DW pkg), ISO6440 (DW pkg), ISOM8110 (DFS pkg), ISO6420 (DWV pkg), ISOM8112 (DFS pkg), ISO6442 (DFP pkg), ISO6441 (DW pkg), ISOM8113 (DFS pkg), ISO6463 (DW pkg), ISO6462 (DW pkg), ISO6440 (DFP pkg), ISO6441 (DFP pkg), ISO6431 (DFP pkg) *May be followed by any suffix.*

Single protection, non-optical isolators at 3000 Vac isolation voltage

Model(s): ISO7041*

Model(s): ISO7710 (8D pkg), ISO7763 (16DBQ pkg), ISO7761 (16DBQ pkg), ISO7760 (16DBQ pkg), ISO7730 (16DBQ pkg), SN003021 (8D pkg), ISO6721R (8D pkg), ISO7741 (16DBQ pkg), ISO1228, ISO7721FS (8D pkg), ISO7731 (16DBQ pkg), ISO7761 (16DBQ pkg)*, ISO7721 (8D pkg), ISO1500 (16DBQ pkg), ISO7741FS (16DBQ pkg), ISO7762 (16DBQ pkg), ISO7742 (16DBQ pkg), ISO7720 (8D pkg), ISO7742FS (16DBQ pkg) *May be followed by any suffix.*

Single protection, non-optical isolators at 3750 Vac isolation voltage

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Model(s): ISOM8116, ISOM8610, ISOM8113, ISOM8115, ISOM8112, ISOM8110, ISOM8111, ISOM8117, ISOM8118 *May be followed by any suffix.*

Single protection, non-optical isolators at 5000 Vac isolation voltage

Model(s): ISO7742FT, ISO7742T, ISO7741T, ISO6163, ISO1410 (16DW pkg), ISO1430 (16DW pkg), ISO1432 (16DW pkg), ISO1412 (16DW pkg), ISO1042 (8DWV pkg), ISO1450 (16DW pkg), ISO1452 (16DW pkg), ISO7741FT, ISO1042 (16DW pkg) *May be followed by any suffix.*

Single protection, non-optical isolators at 5700 Vac isolation voltage

Model(s): ISO6742 (16DWW pkg), ISO7740 (16DBQ pkg), ISO7721 (8DWV pkg) *May be followed by any suffix.*

File E181974
Project 4786649330

Issued: February 23, 2015
Revised: June 20, 2019

REPORT

On

COMPONENT - Nonoptical Isolating Devices

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Texas Instruments **Incorporated**
Dallas, TX

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DESCRIPTION

PRODUCTS COVERED:

USR/CNR - Single Protection, Non-Optical Isolator, Models AMC0300DDWV, AMC0300DQDWV, AMC0300RDWV, AMC0300RQDWV, AMC0302DWV, AMC0302DQDWV, AMC0302RDWV, AMC0302RQDWV, AMC0303DWV, AMC0303QDWV, AMC0306M05QDWV, AMC0306M25DWV, AMC0306M25QDWV, AMC0311RDWV, AMC0311RQDWV, AMC0311DDWV, AMC0311DQDWV, AMC0311SDWV, AMC0311SQDWV, AMC0330DDWV, AMC0330DQDWV, AMC0330RDWV, AMC0330RQDWV, AMC0330SDWV, AMC0330SQDWV, AMC0336DWV, AMC0336QDWV, AMC0380D04DFX, AMC0380D04QDFX, AMC0380D06DFX, AMC0380D06QDFX, AMC0380D10DFX, AMC0380D10QDFX, AMC0380D16DFX, AMC0380D16QDFX, AMC0381D04DFX, AMC0381D04QDFX, AMC0381D06DFX, AMC0381D06QDFX, AMC0381D10DFX, AMC0381D10QDFX, AMC0381D16DFX, AMC0381D16QDFX, AMC0386M04DFX, AMC0386M04QDFX, AMC0386M06DFX, AMC0386M06QDFX, AMC0386M10DFX, AMC0386M10QDFX, AMC0386M16DFX, AMC0386M16QDFX, AMC1200(C)(-,Q)DUB, and AMC1200(C)(-,Q)DWV. May be followed by -. R Q1, RQ1 or any other suffix.

USR - Single Protection, Non-Optical Isolator, Models IS01211, IS01211S (8D pkg), IS01212, IS01212S (16DBQ pkg), IS05451, IS05452, IS05851, IS05852S, IS07310, IS07320, IS07321, IS07330, IS07331, IS07340, IS07341, IS07342, IS07710 (8DWV pkg), IS07710 (16DW pkg), IS07720 (8DWV pkg), IS07720 (16DW pkg), IS07721, (8DWV pkg), IS07721 (16DW pkg), IS07730 (16DW pkg), IS07731 (16DW pkg), IS07740 (16DW pkg), IS07741 (16DW pkg), IS07741 (16DWW pkg), IS07741E-Q1 (16DW pkg), IS07742 (16DW pkg), IS07760 (16DW pkg), IS07761 (16DW pkg), IS07762 (16DW pkg), IS07763 (16DW pkg), IS07810, IS07820, IS07820LL, IS07821, IS07821LL, IS07821LLS, IS07830, IS07831, IS07840, IS07841, IS07842, IS0USB111 (16DW pkg), IS0USB111 (DWX pkg), IS0USB211 (28DP pkg), IS0USB211B (28DP pkg), ISOW1044 (20-DFM pkg), ISOW1412, ISOW1432 (20-DFM pkg), ISOW7721, ISOW7740, ISOW7741, ISOW7742, ISOW7743, ISOW7744, ISOW7820, ISOW7821, ISOW7822, ISOW7840, ISOW7841, ISOW7842, ISOW7843, ISOW7844, SN005721, SN1506011. May be followed by any suffix.

USR/CNR - Single Protection, Non-Optical Isolator, Models IS01042 (8DWV pkg), IS01042 (16DW pkg), IS01044, IS01228, IS01410 (16DW pkg), IS01412 (16DW pkg), IS01430 (16DW pkg), IS01432 (16DW pkg), IS01450 (16DW pkg), IS01452 (16DW pkg), IS01500 (16DBQ pkg), IS01640 (8D pkg), IS01640 (16DW Pkg), IS01641 (8D pkg), IS01641 (16DW Pkg), IS01642 (16DW Pkg), IS01643 (16DW Pkg), IS01644 (16DW Pkg), IS06163, IS06420 (D pkg), IS06420 (DWV pkg), IS06421 (D pkg), IS06421 (DWV pkg), IS06431 (DBQ pkg), IS06431 (DFP pkg), IS06431 (DW pkg), IS06440 (DBQ pkg), IS06440 (DFP pkg), IS06440 (DW pkg), IS06441 (DBQ pkg), IS06441 (DFP pkg), IS06441 (DW pkg), IS06442 (DBQ pkg), IS06442 (DFP pkg), IS06442 (DW pkg), IS06460 (DW pkg), IS06461 (DW pkg), IS06462 (DW pkg), IS06463 (DW pkg), IS06421 (DWV pkg), IS06720 (8D pkg), IS06720 (8DWV pkg), IS06721 (8D pkg), IS06721 (8DWV pkg), IS06721R (8D pkg), IS06731, IS06740, IS06741, IS06742, IS06742 (16DWW pkg), IS06760 (16DW pkg), IS06761 (16DW pkg), IS06762 (16DW pkg), IS06763 (16DW pkg), IS07021, IS07041, IS07710 (8D pkg), IS07720 (8D pkg), IS07721 (8D pkg), IS07721FS (8D pkg), IS07730 (16DBQ pkg), IS07731 (16DBQ pkg), IS07740 (16DBQ pkg), IS07741 (16DBQ pkg), IS07741FS (16DBQ pkg), IS07741FT, IS07741T, IS07742 (16DBQ pkg), IS07742FS (16DBQ pkg), IS07742FT, IS07742T, IS07760 (16DBQ pkg), IS07761 (16DBQ pkg), IS07762 (16DBQ pkg), IS07763 (16DBQ pkg), ISOM8110, ISOM8110 (DFS pkg), ISOM8111, ISOM8111 (DFS pkg), ISOM8112, ISOM8112 (DFS pkg), ISOM8113, ISOM8113 (DFS pkg), ISOM8115, ISOM8115 (DFS pkg), ISOM8116, ISOM8116 (DFS pkg), ISOM8117, ISOM8117 (DFS pkg), ISOM8118, ISOM8118 (DFS pkg), ISOM8610, ISOM8710, ISOM8711, ISOS141 (16DBQ pkg), IS0USB111B (16DW pkg), SN003021 (8D pkg), TPSI2140-Q1, and TPSI2072-Q1. May be followed by any suffix.

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 (Mbps)
	Encoder (Side 1)	Decoder (Side 2)	Encoder (Side 1)	Decoder (side 2)					
AMC0300DDWV	6.7	9.9	37	54	5000	125	150	150	20
AMC0300DQDWV	6.7	9.9	37	54	5000	125	150	150	20
AMC0300RDWV	6.7	7.6	37	42	5000	125	150	150	20
AMC0300RQDWV	6.7	7.6	37	42	5000	125	150	150	20
AMC0302DWV	6.9	9.9	38	54	5000	125	150	150	20
AMC0302DQDWV	6.9	9.9	38	54	5000	125	150	150	20
AMC0302RDWV	6.9	7.6	38	42	5000	125	150	150	20
AMC0302RQDWV	6.9	7.6	38	42	5000	125	150	150	20
AMC0303DWV (-;R;Q1;RQ1)	5.5	6	30	33	5000	125	150	150	20
AMC0303QDWV	5.5	6	30	33	5000	125	150	150	20
AMC0306M05QD WV	8	7	38	54	5000	125	150	150	20
AMC0306M25DW V	7.7	7	37	54	5000	125	150	150	20
AMC0306M25QD WV	7.7	7	37	54	5000	125	150	150	20
AMC0311RDWV	5.6	7.4	31	41	5000	125	150	150	10
AMC0311RQDWV	5.6	7.4	31	41	5000	125	150	150	10
AMC0311DDWV	5.6	9.7	31	53	5000	125	150	150	10
AMC0311DQDWV	5.6	9.7	31	53	5000	125	150	150	10
AMC0311SDWV	5.6	7.4	31	41	5000	125	150	150	10
AMC0311SQDWV	5.6	7.4	31	41	5000	125	150	150	10
AMC0330DDWV	5.6	9.7	31	53	5000	125	150	150	10
AMC0330DQDWV	5.6	9.7	31	53	5000	125	150	150	10
AMC0330RDWV	5.6	7.4	31	41	5000	125	150	150	10
AMC0330RQDWV	5.6	7.4	31	41	5000	125	150	150	10
AMC0330SDWV	5.6	7.4	31	41	5000	125	150	150	10
AMC0330SQDWV	5.6	7.4	31	41	5000	125	150	150	10
AMC0336DWV	7	5	39	28	5000	125	150	150	10
AMC0336QDWV	7	5	39	28	5000	125	150	150	10
AMC0380D04DF X	5.6	9.7	60	50	5000	125	150	150	10
AMC0380D04QD FX	5.6	9.7	60	50	5000	125	150	150	10
AMC0380D06DF X	5.6	9.7	60	50	5000	125	150	150	10
AMC0380D06QD FX	5.6	9.7	60	50	5000	125	150	150	10
AMC0380D10DF X	5.6	9.7	60	50	5000	125	150	150	10
AMC0380D10QD FX	5.6	9.7	60	50	5000	125	150	150	10
AMC0380D16DF X	5.6	9.7	60	50	5000	125	150	150	10
AMC0380D16QD FX	5.6	9.7	60	50	5000	125	150	150	10
AMC0381D04DF X	5.6	9.7	160	50	5000	125	150	150	10
AMC0381D04QD FX	5.6	9.7	160	50	5000	125	150	150	10
AMC0381D06DF X	5.6	9.7	160	50	5000	125	150	150	10
AMC0381D06QD FX	5.6	9.7	160	50	5000	125	150	150	10
AMC0381D10DF X	5.6	9.7	160	50	5000	125	150	150	10
AMC0381D10QD FX	5.6	9.7	160	50	5000	125	150	150	10
AMC0381D16DF X	5.6	9.7	160	50	5000	125	150	150	10
AMC0381D16QD FX	5.6	9.7	160	50	5000	125	150	150	10
AMC0386M04DF X	7	5	191	28	5000	125	150	150	10

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 (Mbps)
	Encoder (Side 1)	Decoder (Side 2)	Encoder (Side 1)	Decoder (side 2)					
AMC0386M04QD FX	7	5	191	28	5000	125	150	150	10
AMC0386M06DF X	7	5	191	28	5000	125	150	150	10
AMC0386M06QD FX	7	5	191	28	5000	125	150	150	10
AMC0386M10DF X	7	5	191	28	5000	125	150	150	10
AMC0386M10QD FX	7	5	191	28	5000	125	150	150	10
AMC0386M16DF X	7	5	191	28	5000	125	150	150	10
AMC0386M16QD FX	7	5	191	28	5000	125	150	150	10
AMC1200(C)(-,Q)DUB	6.7	9.9	37	54	5000	125	150	150	10
AMC1200(C)(-,Q)DWV	6.7	9.9	37	54	5000	125	150	150	10
IS01042 (8DW pkg)	3.5	73.4	25	360	5000	125	150	150	5
IS01042 (16DW pkg)	3.5	73.4	25	360	5000	125	150	150	5
IS01044	2.8	24	15	131	3000	125	150	150	5
IS01211	2	7	20	430	3000	125	150	150	4
IS01211S (8D pkg)	2	7	20	430	3000	125	150	150	4
IS01212	2	7	20	430	3000	125	150	150	4
IS01212S (16DBQ pkg)	2	7	20	430	3000	125	150	150	4
IS01228	22.3	5.5	535	30	3000	125	150	150	1.5
IS01410 (16DW pkg)	5.1	160	28	528	5000	125	150	150	0.5
IS01412 (16DW pkg)	5.1	160	28	528	5000	125	150	150	0.5
IS01430 (16DW pkg)	6	122	33	319	5000	125	150	150	12
IS01432 (16DW pkg)	6	122	33	319	5000	125	150	150	12
IS01450 (16DW pkg)	8.9	162	49	539	5000	125	150	150	50
IS01452 (16DW pkg)	8.9	162	49	539	5000	125	150	150	50
IS01500 (16DBQ pkg)	5.2	80	28	200	3000	125	150	150	1
IS01640 (8D Pkg)	3.3	3	18	16	3000	125	150	150	3.4
IS01640 (16DW Pkg)	4.0	4.9	21.5	26.5	5000	125	150	150	3.4
IS01641 (8D Pkg)	2.8	2.6	15	14	3000	125	150	150	3.4

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 (Mbps)
	Encoder (Side 1)	Decoder (side 2)	Encoder (Side 1)	Decoder (Side 2)					
IS01641 (16DW Pkg)	3.7	4.3	20	23.5	5000	125	150	150	3.4
IS01642 (16DW Pkg)	3.8	4.7	20.75	25.5	5000	125	150	150	50
IS01643 (16DW Pkg)	3.1	5.4	16.75	29.5	5000	125	150	150	50
IS01644 (16DW Pkg)	3.2	4.5	17.6	24.4	5000	125	150	150	50
IS05451	32	36	175	1080	5700	125	150	150	2
IS05452	32	36	175	1080	5700	125	150	150	2
IS05851	32	36	175	1080	5700	125	150	150	2
IS05852S	32	36	175	1080	5700	125	150	150	2
IS06163	7.5	7.5	60	60	5000	125	150	150	50
IS06420 (D pkg)	3	9.5	16	52	3000	125	150	150	150
IS06420 (DWV pkg)	3	9.5	16	52	5000	125	150	150	150
IS06421 (D pkg)	6.6	6.6	36	36	3000	125	150	150	150
IS06421 (DWV pkg)	6.6	6.6	36	36	5000	125	150	150	150
IS06431 (DBQ pkg)	5.1	7.7	28	42	3000	125	150	150	150
IS06431 (DFP pkg)	5.1	7.7	28	42	5000	125	150	150	150
IS06431 (DW pkg)	5.1	7.7	28	42	5000	125	150	150	150
IS06440 (DBQ pkg)	2.8	9.7	15	53	3000	125	150	150	150
IS06440 (DFP pkg)	2.8	9.7	15	53	5000	125	150	150	150
IS06440 (DW pkg)	2.8	9.7	15	53	5000	125	150	150	150
IS06441 (DBQ pkg)	4.4	7.9	24	43	3000	125	150	150	150
IS06441 (DFP pkg)	4.4	7.9	24	43	5000	125	150	150	150
IS06441 (DW pkg)	4.4	7.9	24	43	5000	125	150	150	150
IS06442 (DBQ pkg)	6.2	6.2	34	34	3000	125	150	150	150
IS06442 (DFP pkg)	6.2	6.2	34	34	5000	125	150	150	150
IS06442 (DW pkg)	6.2	6.2	34	34	5000	125	150	150	150
IS06460 (DW pkg)	3	9.5	16	52	5000	125	150	150	150
IS06461 (DW pkg)	4.2	8.4	23	46	5000	125	150	150	150
IS06462 (DW pkg)	5	7.1	27	39	5000	125	150	150	150

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 (Mbps)
	Encoder (Side 1)	Decoder (side 2)	Encoder (Side 1)	Decoder (Side 2)					
IS06720 (8D Pkg)	1.9	4.8	10	26	3000	125	150	150	50
IS06720 (8DWV Pkg)	1.9	4.8	10	26	5000	125	150	150	50
IS06721 (8D Pkg)	3.5	3.5	19	19	3000	125	150	150	50
IS06721 (8DWV Pkg)	3.5	3.5	19	19	5000	125	150	150	50
IS06721R (8D Pkg)	4.0	4.0	21.5	21.5	3000	125	150	150	50
IS06731	3.1	5.3	17	29	5000	125	150	150	50
IS06740	1.7	4.6	9	25	5000	125	150	150	50
IS06741	2.4	4	13	22	5000	125	150	150	50
IS06742	3.3	3.3	18	18	5000	125	150	150	50
IS06742 (16DWW pkg)	12.5	12.5	69	69	5700	125	150	150	50
IS06760 (16DW Pkg)	1.4	4.5	7.5	24.5	5000	125	150	150	50
IS06761 (16DW Pkg)	2.0	4.1	10.5	22.4	5000	125	150	150	50
IS06762 (16DW Pkg)	2.5	3.6	13.5	19.4	5000	125	150	150	50
IS06763 (16DW Pkg)	3.0	3.0	16.4	16.4	5000	125	150	150	50
IS07021	0.39	0.39	2.1	2.1	3000	125	150	150	4
IS07041 (16DBQ pkg)	0.4	0.2	2.7	1.8	3000	125	150	150	2
IS07310	1.3	4.2	7.2	23.1	3000	125	150	150	25
IS07320	3	8	16.5	44	3000	125	150	150	25
IS07321	6.5	6.5	35.8	35.8	3000	125	150	150	25
IS07330	4	10	22	55	3000	125	150	150	25

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 (Mbps)
	Encoder (Side 1)	Decoder (Side 2)	Encoder (Side 1)	Decoder (Side 2)					
IS07331	6.5	9	35.8	49.5	3000	125	150	150	25
IS07340	5	13	27.5	71.5	3000	125	150	150	25
IS07341	7	11	38.5	60.5	3000	125	150	150	25
IS07342	5.6	9	30.8	49.5	3000	125	150	150	25
IS07710 (8D pkg)	3	8	16.5	44	3000	125	150	150	100
IS07710 (8DW pkg)	3	8	16.5	44	5700	125	150	150	100
IS07710 (16DW pkg)	3	8	16.5	44	5700	125	150	150	100
IS07720 (8D pkg)	1.6	7	10	40	3000	125	150	150	100
IS07720 (8DW pkg)	1.6	7	10	40	5700	125	150	150	100
IS07720 (16DW pkg)	1.6	7	10	40	5700	125	150	150	100
IS07721 (8D pkg)	4.5	4.5	25	25	3000	125	150	150	100
IS07721 (8DW pkg)	4.5	4.5	25	25	5700	125	150	150	100
IS07721 (16DW pkg)	4.5	4.5	25	25	5700	125	150	150	100
IS07721FS (8D pkg)	4.5	4.5	25	25	3000	125	150	150	100
IS07730 (16DBQ pkg)	6	23	33	126.5	3000	125	150	150	100
IS07730 (16DW pkg)	6	23	33	126.5	5700	125	150	150	100
IS07731 (16DBQ pkg)	12	17	66	93.5	3000	125	150	150	100
IS07731 (16DW pkg)	12	17	66	93.5	5700	125	150	150	100
IS07740 (16DBQ pkg)	7	31	38.5	170.5	3000	125	150	150	100
IS07740 (16DW pkg)	7	31	38.5	170.5	5700	125	150	150	100
IS07741 (16DBQ pkg)	13	25	71.5	137.5	3000	125	150	150	100
IS07741 (16DW pkg)	13	25	71.5	137.5	5700	125	150	150	100
IS07741 (16DWW pkg)	13	25	71.5	137.5	5700	125	150	150	100
IS07741E-Q1 (16DW pkg)	13	25	71.5	137.5	5700	150	175	150	100
IS07741FS (16DBQ pkg)	13	25	71.5	137.5	3000	125	150	150	100
IS07741FT	16	27	266	135	5000	125	150	150	100
IS07741T	16	27	266	135	5000	125	150	150	100
IS07742 (16DBQ pkg)	18	18	99	99	3000	125	150	150	100
IS07742 (16DW pkg)	18	18	99	99	5700	125	150	150	100
IS07742FS (16DBQ pkg)	18	18	99	99	3000	125	150	150	100

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 (Mbps)
	Encoder (Side 1)	Decoder (Side 2)	Encoder (Side 1)	Decoder (Side 2)					
IS07742FT	19	19	288	101	5000	125	150	150	100
IS07742T	19	19	288	101	5000	125	150	150	100
IS07760 (16DBQ pkg)	1.5	7.4	8.4	40.4	3000	125	150	150	100
IS07760 (16DW pkg)	1.5	7.4	8.4	40.4	5700	125	150	150	100
IS07761 (16DBQ pkg)	2.5	6.4	13.9	34.9	3000	125	150	150	100
IS07761 (16DW pkg)	2.5	6.4	13.9	34.9	5700	125	150	150	100
IS07762 (16DBQ pkg)	3.5	5.4	19.4	29.4	3000	125	150	150	100

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 (Mbps)
	Encoder (Side 1)	Decoder (Side 2)	Encoder (Side 1)	Decoder (Side 2)					
IS07762 (16DW pkg)	3.5	5.4	19.4	29.4	5700	125	150	150	100
IS07763 (16DBQ pkg)	4.5	4.5	24.4	24.4	3000	125	150	150	100
IS07763 (16DW pkg)	4.5	4.5	24.4	24.4	5700	125	150	150	100
IS07810	3	8	16.5	44	5700	125	150	150	100
IS07820	4	16	22	88	5700	125	150	150	100
IS07820LL	8.2	21	45.1	115.5	5700	125	150	150	100
IS07821	11	11	60.5	60.5	5700	125	150	150	100
IS07821LL	14.1	14.1	77.6	77.6	5700	125	150	150	100
IS07821LLS	16.4	16.4	90.2	90.2	5700	125	150	150	150
IS07830	6	23	33	126.5	5700	125	150	150	100
IS07831	12	17	66	93.5	5700	125	150	150	100
IS07840	7	31	38.5	170.5	5700	125	150	150	100
IS07841	13	25	71.5	137.5	5700	125	150	150	100
IS07842	18	18	99	99	5700	125	150	150	100
ISOM8110	50	50	140	150	3750	125	150	150	--
ISOM8110 (DFS pkg)	50	50	140	150	5000	125	150	150	--
ISOM8111	50	50	140	150	3750	125	150	150	--
ISOM8111 (DFS pkg)	50	50	140	150	5000	125	150	150	--
ISOM8112	50	50	140	150	3750	125	150	150	--
ISOM8112 (DFS pkg)	50	50	140	150	5000	125	150	150	--
ISOM8113	50	50	140	150	3750	125	150	150	--
ISOM8113 (DFS pkg)	50	50	140	150	5000	125	150	150	--
ISOM8115	50	50	140	150	3750	125	150	150	--
ISOM8115 (DFS pkg)	50	50	140	150	5000	125	150	150	--
ISOM8116	50	50	140	150	3750	125	150	150	--
ISOM8116 (DFS pkg)	50	50	140	150	5000	125	150	150	--
ISOM8117	50	50	140	150	3750	125	150	150	--
ISOM8117 (DFS pkg)	50	50	140	150	5000	125	150	150	--
ISOM8118	50	50	140	150	3750	125	150	150	--
ISOM8118 (DFS pkg)	50	50	140	150	5000	125	150	150	--
ISOM8610	20	150	36	274	3750	125	150	150	--
ISOM8710	20	2	50	20	3750	125	150	150	25
ISOM8711	20	2	50	20	3750	125	150	150	25
ISOS141 (16DBQ Pkg)	3.5	5.7	18.8	31.3	3000	125	150	150	100
ISOUSB111 (16DW Pkg)	13	15.3	72	85	5700	125	150	150	12
ISOUSB111 (DWX pkg)	13	15.3	72	85	5700	125	150	150	12
ISOUSB111B (16DW Pkg)	13	15.3	72	85	3000	125	150	150	12
ISOUSB211 (28DP Pkg)	112	112	616	616	5700	125	150	150	480
ISOUSB211B (28DP Pkg)	112	112	616	616	3000	125	150	150	480
ISOW1044 (20-DFM pkg)	90	104	490	570	5000	125	150	150	10
ISOW1412	90	104	490	570	5000	125	150	150	10
ISOW1432 (20-DFM pkg)	93	111	510	610	5000	125	150	150	12

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

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 (Mbps)
	Encoder (Side 1)	Decoder (Side 2)	Encoder (Side 1)	Decoder (Side 2)					
ISOW7721	135	135	740	740	5000	125	150	150	100
ISOW7740	135	135	740	740	5000	125	150	150	100
ISOW7741	135	135	740	740	5000	125	150	150	100
ISOW7742	135	135	740	740	5000	125	150	150	100
ISOW7743	135	135	740	740	5000	125	150	150	100
ISOW7744	135	135	740	740	5000	125	150	150	100
ISOW7820	160	60	275	275	5000	125	150	150	100
ISOW7821	160	60	275	275	5000	125	150	150	100
ISOW7822	160	60	275	275	5000	125	150	150	100
ISOW7840	80	30	137.5	137.5	5000	125	150	150	100
ISOW7841	80	30	137.5	137.5	5000	125	150	150	100
ISOW7842	80	30	137.5	137.5	5000	125	150	150	100
ISOW7843	80	30	137.5	137.5	5000	125	150	150	100
ISOW7844	80	30	137.5	137.5	5000	125	150	150	100
SN003021 (8D pkg)	4.5	4.5	25	25	3000	125	150	150	100
SN005721	5.5	5.5	30.3	30.3	5700	125	150	150	100
SN1506011	12	17	66	93.5	5700	125	150	150	100
TPSI2140-Q1	12	--	50	--	3750 Vrms / 5303 Vdc	125	150	150	--
TPSI2072-Q1	12	--	50	--	3750 Vrms / 5303 Vdc	125	150	150	--

(\$) - 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.

CNR indicates this product was investigated under the Canadian Certification Notice, CSA Component Acceptance Service No. 5A, dated January 23, 1998.

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.**