

Update Data Sheet Regulatory Information for Select Digital Isolator Products

## **ADuM1100** - iCoupler Digital Isolator



Total 12100 100apter Digital 130tator			DE DE
hange Description	Changed From:	Changed To:	
sulation and Safety-Related Specifications section updated to correctly align the	Creepage 4.01	Creepage 4.0	
ecified Minimum External Air Gap (Clearance) & Minimum External Tracking reepage) in <b>Table 6</b> with the agency certified meaurement.	Clearance 4.90	Clearance 4.0	
	Datasheet Rev. K	Datasheet Rev. L	

# **ADuM1200/ADuM1201** - Dual-Channel Digital Isolators



Change Description	Changed From:	Changed To:	
Change Description	Changed From:		
sulation and Safety-Related Specifications section updated to correctly align the		Creepage 4.0	
pecified Minimum External Air Gap (Clearance) & Minimum External Tracking Creepage) in <b>Table 10</b> with the agency certified meaurement.	Clearance 4.90	Clearance 4.0	
	Datasheet Rev. K	Datasheet Rev. L	

## **ADuM1210** - Dual-Channel Digital Isolator



hange Description	Changed From:	Changed To:	
sulation and Safety-Related Specifications section updated to correctly align the	Creepage 4.01	Creepage 4.0	
Decified Minimum External Air Gap (Clearance) & Minimum External Tracking Creepage) in <b>Table 6</b> with the agency certified meaurement.	Clearance 4.90	Clearance 4.0	
	Datasheet Rev. D	Datasheet Rev. E	
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# ADuM1240/ADuM1241/ADuM1245/ADuM1246 - Micropower, Dual-Channel Digital Isolators



TOUT 112-40/ADUI 112-41/ADUI 112-40/ADUI 112-40 TIIOTOPO			
Change Description	Changed From:	Changed To:	
egulatory Information section updated to correctly align the IEC/CSA 62368-1	RS-20 Package	RS-20 Package	
asic and reinforced insulation ratings specifed in <b>Table 12</b> with the agency issued	IEC/CSA 60950-1	IEC/CSA 62368-1	
ertified rating.	Basic insulation 530 V rms	Basic insulation 510 V rms	
	Reinforced insulation 265 V rms	Reinforced insulation 255 V rms	
	R-8 Package	R-8 Package	
	Basic insulation 400 V rms	Basic insulation 300 V rms	
	Datasheet Rev. B	Datasheet Rev. C	



changed From: tory Information section updated to correctly align the following ratings to issued certifed ratings:  The proof of the p
Reinforced insulation 400 V rms  For 1 TUV reinforced insulation rating specified in Table 9  Creepage: 8.1  Creepage: 7.8  Creepage: 7.8  Datasheet Rev. L  Datasheet Rev. M
tion and Safety-Related Specifications section updated to correctly align the ed Minimum External Tracking (Creepage) in <b>Table 10</b> with the agency
ed Minimum External Tracking (Creepage) in <b>Table 10</b> with the agency
d meaurement.

## ADUM1210/ADUM1211 - Triple-Channel Digital Isolators



hange Description	Changed From:	Changed To:	
egulatory Information section updated to correctly align the following ratings to	Creepage 8.1	Creepage 7.8	
gency issued certifed ratings:	Orecpage 0.1	Orecpage 7.0	
gency issued certifed ratifigs.	UL 1577 Single Protection (VISO)	UL 1577 Single Protection (VISO)	
naulation and Cafaty Dalated Chapitiantians agation undetect a correctly align the	, ,		
isulation and Safety-Related Specifications section updated to correctly align the		2500 V rms	
pecified Minimum External Tracking (Creepage) in <b>Table 6</b> with the agency certified			
neaurement.	CSA 60950-1-03 and IEC 60950-1	IEC / EN / CSA 62368-1	
	Basic Insulation, 800 V rms	Basic Insulation, 600 V rms	
<b>L 1577</b> Single Protection ratings specified in <b>Table 5</b>	Reinforced Insulation, 400 V rms	Reinforced Insulation, 150 V rms	
EC / EN / CSA 62368-1 Basic and Reinforced Insulation ratings specified in Table 5	Datasheet Rev. K	Datasheet Rev. L	

## ADuM1400/ADuM1401/ADuM1402 - Quad-Channel Digital Isolators



Change Description	Changed From:	Changed To:
Regulatory Information section updated to correctly align the following ratings to agency issued certifed ratings:	CSA C22.2.61010.1:2005 TUV Rating: Reinforced insulation, 400 Vrms	EN60950-1 TUV Rating: Reinforced insulation, 385 Vrms
EN60950-1 TUV reinforced insulation rating specifed in Table 9	Datasheet Rev. L	Datasheet Rev. M
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#### ADUM1410/ADUM1411/ADUM1412 - Quad-Channel Digital Isolators



Change Description	Changed From:	Changed To:
Regulatory Information section updated to correctly align the following ratings to	UL 1577 Single Protection (VISO)	UL 1577 Single Protection (VISO)
agency issued certifed ratings:	3750 V rms	2500 V rms
<b>JL 1577</b> Single Protection (VISO) ratings specified in <b>Table 5</b>	CSA 60950-1-03 and IEC 60950-1	IEC / EN / CSA 62368-1
	Basic Insulation, 800 V rms	Basic Insulation, 600 V rms
IEC / EN / CSA 62368-1 Basic and Reinforced Insulation ratings specified in Table 5	Reinforced Insulation, 400 V rms	Reinforced Insulation, 150 V rms
	Datasheet Rev. M	Datasheet Rev. N

#### ADuM2200/ADuM2201 - Dual-Channel Digital Isolators, 5 kV



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Change Description	Changed From:	Changed To:	
Regulatory Information section updated to correctly align the following ratings to agency	RW-16	RW-16	
issued certifed ratings:	Clearance: 8.0	Clearance: 7.8	
Insulation and Safety-Related Specifications section updated to correctly align the	VDE/VDE 0884-10	VDE/VDE 0884-17	
specified Minimum External Air Gap (Clearance) in <b>Table 15</b> with the agency certified meaurement. (RW-16)	Viorm = 848 Vpeak	Viorm = 645 Vpeak	
	RI-16-2	RI-16-2	
VDE 0884-17 VIORM reinforced rating specifed in Tables 14 and 16 (both packages)	VDE/VDE 0884-10	VDE/VDE 0884-17	
	Viorm = 848 Vpeak	VIORM = 645 Vpeak	
	Datasheet Rev. G	Datasheet Rev. H	

#### ADuM2210/ADuM2211 - Dual-Channel Digital Isolators, 5 kV



Change Description	Changed From:	Changed To:	
Regulatory Information section updated to correctly align the following ratings to agency	RW-16	RW-16	
ssued certifed ratings:	Clearance: 8.0	Clearance: 7.8	
nsulation and Safety-Related Specifications section updated to correctly align the	VDE/VDE 0884-10	VDE/VDE 0884-17	
specified Minimum External Air Gap (Clearance) in <b>Table 15</b> with the agency certified meaurement. (RW-16)	Viorm = 848 Vpeak	Viorm = 645 Vpeak	
	RI-16-2	RI-16-2	
/DE V 0884-17 VIORM reinforced rating specifed in Tables 14 and 16 (both packages)	VDE/VDE 0884-10	VDE/VDE 0884-17	
	Viorm = 848 Vpeak	Viorm = 645 Vpeak	
	Datasheet Rev. F	Datasheet Rev. G	

#### ADuM2280/ADuM2281/ADuM2285/ADuM2286 - 5 kV RMS Dual Channel Digital Isolators



Changed From:	Changed To:	
VDE/VDE 0884-10	VDE/VDE 0884-17	
·	·	
Datasheet Rev. C	Datasheet Rev. D	
	Viorm = 846 Vpeak	Viorm = 846 Vpeak  Viorm = 645 Vpeak

## ADuM2400/ADuM2401/ADuM2402 - Quad-Channel Digital Isolators



Change Description	Changed From:	Changed To:
Regulatory Information section updated to correctly align the following ratings to	RI-16-2	RI-16-2
agency issued certifed ratings:	CQC/GB4943.1	CQC/GB4943.1
	Reinforced insulation 400 V rms	Reinforced insulation 380 V rms
CQC/ GB4943.1 basic and reinforced insulation ratings specifed in Table 5 (RI-16-2)		
	RW-16	RW-16
nsulation and Safety-Related Specifications section updated to correctly align the	Clearance: 8.0	Clearance: 7.8
specified Minimum External Air Gap (Clearance) in <b>Table 6</b> with the agency certified		
meaurement. (RW-16)	VDE 0884-10	VDE 0884-17
	VIORM = 846 Vpeak	VIORM = 645 Vpeak
/DE 0884-17 VIORM reinforced rating specifed in Table 7		
	Datasheet Rev. G	Datasheet Rev. H

## ADuM3100 - Digital Isolator, Enhanced System-Level ESD Reliability



nange Description	Changed From:	Changed To:	
sulation and Safety-Related Specifications section updated to correctly align the		Creepage 4.0	
	Clearance 4.90	Clearance 4.0	
reepage) in <b>Table 6</b> with the agency certified meaurement.	Otearanee 4.50	Otediance 4.0	
	Datasheet Rev. D	Datasheet Rev. E	
	Datasneet Nev. D	Butusheet nev. E	

## ADuM3200/ADuM3201 - Dual-Channel, Digital Isolators, Enhanced System-Level ESD Reliability



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hange Description	Changed From:	Changed To:	
sulation and Safety-Related Specifications section updated to correctly align the	Clearance 4.90	Clearance 4.0	
cified Minimum External Air Gap (Clearance) & Minimum External Tracking (Creepage)		Creepage 4.0	
Fable 27 with the agency certified meaurement.			
	Datasheet Rev. F	Datasheet Rev. G	



ADuM3300/ADuM3301 - Triple-Channel, Digital Isolators, Enhanced System-Level ESD Reliability			
hange Description	Changed From:	Changed To:	
<b>egulatory Information</b> section updated to correctly align the following ratings to agency	CQC/GB4943.1	CQC/GB4943.1	
sued certifed ratings:	Basic insulation 760 V rms	Basic insulation 600 V rms	
	Reinforced insulation 380 V rms	Reinforced insulation 150 V rms	
QC/GB4943.1 basic and reinforced insulation ratings specifed in Tables 5			
	Creepage: 8.1	Creepage: 7.8	
sulation and Safety-Related Specifications section updated to correctly align the			
ecified Minimum External Tracking (Creepage) in <b>Table 6</b> with the agency certified	Datasheet Rev. E	Datasheet Rev. F	
eaurement.			

## ADuM3400/ADuM3401/ADuM3402 - Quad-Channel, Digital Isolators, Enhanced System-Level ESD Reliability



Change Description	Changed From:	Changed To:	
<b>egulatory Information</b> section updated to correctly align the following ratings to agency sued certifed ratings:	Creepage: 8.1	Creepage: 7.8	
oudu doranda ruango.	IEC / CSA 60950-1	IEC / CSA 62368-1	
nsulation and Safety-Related Specifications section updated to correctly align the	Basic insulation, 800 Vrms	Basic insulation, 600 Vrms	
pecified Minimum External Tracking (Creepage) in <b>Table 6</b> with the agency certified leaurement.	Reinforced insulation, 400 Vrms	Reinforced insulation, 150 Vrms	
C / CSA 62368-1 Basic and Reinforced Insulation ratings specified in Tables 5	Datasheet Rev. F	Datasheet Rev. G	

#### ADuM4400/ADuM4401/ADuM4402 - 5 kV RMS Quad-Channel Digital Isolators



nange Description	Changed From:	Changed To:	
sulation and Safety-Related Specifications section updated to correctly align the becified Minimum External Air Gap (Clearance) in <b>Table 15</b> with the agency certified	Clearance: 8.0	Clearance: 7.8	
eaurement.	Datasheet Rev. F	Datasheet Rev. G	
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#### **ADuM110N** - 3.0 kV RMS, Single-Channel Digital Isolator



Change Description	Changed From:	Changed To:
Regulatory Information section updated to correctly align the IEC/CSA 61010	IEC/CSA 61010-1	IEC/CSA 61010-1
reinforced insulation rating specifed in <b>Table 11</b> with the agency issued certified rating.	Reinforced insulation 300 V rms	Reinforced insulation 150 V rms
raung.	Datasheet Rev. B	Datasheet Rev. C

# **ADuM120N/ADuM121N** - 3.0 kV rms, Dual-Channel Digital Isolators



Change Description	Changed From:	Changed To:	
Regulatory Information section updated to correctly align the IEC/CSA 61010 einforced insulation rating specifed in <b>Table 11</b> with the agency issued certified ating.	IEC/CSA 61010-1 Reinforced insulation 300 V rms	IEC/CSA 61010-1 Reinforced insulation 150 V rms	
.iiig.	Datasheet Rev. E	Datasheet Rev. F	

## ADuM130D/ADuM130E/ADuM131D/ADuM131E - 3.0 kV RMS/3.75 kV RMS Triple-Channel Digital Isolators



Change Description	Changed From:	Changed To:
Regulatory Information section updated to correctly align the following ratings to	R-16 Package	R-16 Package
agency issued certifed ratings:	CQC/GB4943.1	CQC/GB4943.1
	Basic insulation 770 V rms	Basic insulation 400 V rms
CQC/GB4943.1 basic and reinforced insulation ratings specifed in both Tables 12 & 13.	Reinforced insulation 385 V rms	Removed
	RW-16 Package	RW-16 Package
/DE/VDE 0884-17 VIORM reinforced rating specifed in Table 13.	CQC/GB4943.1	CQC/GB4943.1
	Basic insulation 780 V rms	Basic insulation 760 V rms
	Reinforced insulation 390 V rms	Reinforced insulation 380 V rms
	VDE 0884-10	VDE 0884-17
	VIORM = 849 Vpeak	VIORM = 565 Vpeak
	Datasheet Rev. A	Datasheet Rev. B

## ADuM140D/ADuM140E/ADuM141D/ADuM141E/ADuM142D/ADuM142E - 3.0 kV RMS/3.75 kV RMS Quad Digital Isolators



R-16 Package IEC/CSA 61010-1 Reinforced insulation 300 V rms  CQC/GB4943.1 Basic insulation 770 V rms Reinforced insulation 385 V rms	R-16 Package IEC/CSA 61010-1 Removed  CQC/GB4943.1 Basic insulation 400 V rms Removed
Reinforced insulation 300 V rms  CQC/GB4943.1  Basic insulation 770 V rms  Reinforced insulation 385 V rms	Removed  CQC/GB4943.1  Basic insulation 400 V rms
CQC/GB4943.1 Basic insulation 770 V rms Reinforced insulation 385 V rms	CQC/GB4943.1 Basic insulation 400 V rms
Basic insulation 770 V rms Reinforced insulation 385 V rms	Basic insulation 400 V rms
Basic insulation 770 V rms Reinforced insulation 385 V rms	Basic insulation 400 V rms
Reinforced insulation 385 V rms	
	Removed
RQ-16 Package	RQ-16 Package
CQC/GB4943.1	CQC/GB4943.1
Basic insulation 320 V rms	Basic insulation 320 V rms
Reinforced insulation 160 V rms	Removed
RW-16 Package	RW-16 Package
VDE 0884-11	VDE 0884-17
Viorm = 849 Vpeak	VIORM = 565 Vpeak
CQC/GB4943.1	CQC/GB4943.1
Basic insulation 780 V rms	Basic insulation 760 V rms
Reinforced insulation 390 V rms	Reinforced insulation 380 V rms
Datasheet Rev. J	Datasheet Rev. K
	Basic insulation 320 V rms Reinforced insulation 160 V rms  RW-16 Package VDE 0884-11 VIORM = 849 Vpeak  CQC/GB4943.1 Basic insulation 780 V rms Reinforced insulation 390 V rms

#### ADUMO20D/ADUMO20E/ADUMO21D/ADUMO21E E 0 kV DMC Triple Channel Digital Icalators



nange Description	Changed From:	Changed To:
egulatory Information section will beupdated to correctly align the following tings to agency issued certifed ratings:	RW-16 Package	RW-16 Package
	IEC/CSA 60601-1	IEC/CSA 60601-1
C/CSA 60601-1 reinforced insulation rating specifed in Table 12 (RW-16) & Table (RI-16-2)	Reinforced insulation (2 MOPP), 238 Vrms	Reinforced insulation (2 MOPP), 237.5 Vrms
	RI-16-2 Package	RI-16-2 Package
	IEC/CSA 60601-1	IEC/CSA 60601-1
	Basic insulation (1 MOPP), 519 Vrms	Basic insulation (1 MOPP), 500 Vrms
	Reinforced insulation (2 MOPP), 261 Vrms	Reinforced insulation (2 MOPP), 250 Vrms
	Datasheet Rev. B	Datasheet Rev. C

## ADUMOADD/ADUMOADE/ADUMOA1D/ADUMOA1E/ADUMOA2D/ADUMOA2E - 5 0 kV rms Quad Digital Isolators



Change Description	Changed From:	Changed To:
Regulatory Information section will beupdated to correctly align the following ratings to agency issued certifed ratings:	RW-16 Package	RW-16 Package
	IEC/CSA 60601-1	IEC/CSA 60601-1
<b>EC/CSA 60601-1</b> reinforced insulation rating specifed in <b>Table 12</b> (RW-16) & <b>Table 13</b> (RI-16-2)	Reinforced insulation (2 MOPP), 238 Vrms	Reinforced insulation (2 MOPP), 237.5 Vrms
	RI-16-2 Package	RI-16-2 Package
	IEC/CSA 60601-1	IEC/CSA 60601-1
	Basic insulation (1 MOPP), 519 Vrms	Basic insulation (1 MOPP), 500 Vrms
	Reinforced insulation (2 MOPP), 261 Vrms	Reinforced insulation (2 MOPP), 250 Vrms
	Datasheet Rev. D	Datasheet Rev. E

## ADuM7440/ADuM7441/ADuM7442 - 1 kV RMS Quad-Channel Digital Isolators



Change Description	Changed From:	Changed To:	
nsulation and Safety-Related Specifications section updated to correctly align the pecified Minimum External Air Gap (Clearance) in <b>Table 15</b> with the agency certified	Clearance 3.80	Clearance 3.55	
	Datasheet Rev. D	Datasheet Rev. E	