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Product Service

C E R T I F I C A T E

No. B 056232 0021 Rev. 00

Holder of Certificate: **Analog Devices, Inc.**
804 Woburn Street
Wilmington MA 01887
USA

Certification Mark:

Product: Audio/Video, Information and Communication technology equipment
Isolating Integrated Circuits

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier.
All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 72186098B-000

Valid until: 2028-01-26

Date, 2023-03-01

(Glenn H. McLaughlin)

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Model(s):

ADuM642x series	ADM3055EBRIZ
ADuM5020 series	ADM3057EBRWZ
ADuM5028 series	ADM256xE series
ADuM6020 series	ADM286xE series
ADuM6028 series	

Brand Name:

ANALOG DEVICES

Models & Ratings:

Table A

	Ratings		Internal		External
Device	kV	°C	Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
Package Description/Option: 28-Lead SOIC_W_FP, RN-28-1					
ADuM642xABRNZ3 ADuM642xABRNZ5 ADuM642xAWBRNZ3 ADuM642xAWBRNZ5	5.0	125	--	--	8.3

Where x is a number 0 to 4 indicating reverse channels and
Where Z is used indicates the lead-free version
Suffix EP at the end of the base part number indicates lower extended temperature capability to -55C with a NiPdAu lead finish.
Suffix 3 or 5 indicate 3.3V or 5V versions.
Further suffix letters or digits differentiate shipping package formats.

Note:

1. The devices meet basic insulation requirements for 830Vrms and reinforced insulation requirements for 415V rms. (pollution degree 2, material group III)
2. Case material: material group I
3. Evaluated by thermal cycling and other tests for a temperature rating of 125C.
4. The creepage and clearance has been evaluated for altitudes < 2000m, in pollution degree 2 and overvoltage category II except where specified above. (pollution degree 2, material group III).

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Table B:

	Ratings		Internal		External
Device	kV	°C	Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
Package Description/Option: 16-Lead SOIC_W, RW-16					
ADuM5020-5BRWZ ADuM5020-3BRWZ ADuM5020-5WBRWZ ADuM5020-3WBRWz	3.0	125	--	--	7.8
Package Description/Option: 8-Lead SOIC_IC, RI-8-1					
ADuM5028-5BRIZ ADuM5028-3BRIZ ADuM5028-5WBRIZ ADuM5028-3WBRIZ	3.0	125	--	--	8.3
Package Description/Option: 16-Lead SOIC_IC, RI-16-2					
ADuM6020-5BRIZ ADuM6020-3BRIZ ADuM6020-5WBRIZ ADuM6020-3WBRIZ	5.0	125	--	--	8.3
Package Description/Option: 8-Lead SOIC_IC, RI-8-1					
ADuM6028-5BRIZ ADuM6028-3BRIZ ADuM6028-5WBRIZ ADuM6028-3WBRIZ	5.0	125	--	--	8.3

Where Z if used indicates the lead-free version.
Suffix EP at the end of the base part number indicates lower extended temperature capability to -55C with NiPdAu lead finish.
Further suffix letters or digits differentiate shipping package formats.

Notes:

1. The RW devices meet basic insulation requirements for 780Vrms and the RI devices meet basic insulation requirements for 830Vrms. (Pollution degree 2, material group III)
2. The 5kV RI devices meet basic insulation requirements for 830Vrms and the 3kV RI and the RW devices meet basic insulation requirements for 600 Vrms including 400/690V rms. (Pollution degree 2, material group III)
3. The 5kV RI devices meet reinforced insulation requirements for 415Vrms and the 3kV RI devices meet 300Vrms including 230/400Vrms and 277/480Vrms (limited to 415Vrms) and the RW devices meet reinforced insulation requirements for 300Vrms including 230/400Vrms and 277/480Vrms (limited to 390Vrms). (Pollution degree 2, material group III)
4. Case material: material group II
5. Evaluated by thermal cycling and other tests for a temperature rating of 125C
6. The creepage and clearance has been evaluated for altitudes <2000m, in pollution degree 2 and overvoltage category II except where specified above. (Pollution degree 2, material group II).

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Table C

	Ratings		Internal		External
Device	kV	°C	Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
Package Description/Option: 20-Lead SOIC_IC, RI-20-I					
ADM3055EBRIZ	5.0	125	--	--	8.3
Package Description/Option: 20-Lead SOIC_W, RW-20					
ADM3057EBRWZ	3.0	125	--	-	7.8

Where Z if used indicates the lead-free version.
Suffix EP at the end of the base part number indicates lower extended temperature capability to -55C with a NiPdAu lead finish.
Further suffix letters or digits differentiate shipping package formats.

Notes:

1. The RI devices meet basic insulation for 830 Vrms and reinforced insulation requirements for 415Vrms. (Pollution degree 2, material group III)
2. The RW devices meet basic insulation requirements for 780Vrms and reinforced insulation requirements for 390 Vrms (Pollution degree 2, material group III)
3. Case material: 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 <2000m, in pollution degree 2 and overvoltage category II except where specified above. (Pollution degree 2, material group III)

Table D:

	Ratings		Internal		External
Device	kV	°C	Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
Package Description/Option: 28-Lead SOIC_W_FP, RN-28-1					
ADM2561EBRNZ ADM2563EBRNZ ADM2565EBRNZ ADM2567EBRNZ	3.0	105	--	--	8.3
ADM2861EBRNZ ADM2863EBRNZ ADM2865EBRNZ ADM2867EBRNZ	5.7	105	--	-	8.3

Where Z if used indicates the lead-free version.
Suffix EP at the end of the base part number indicates lower extended temperature capability to -55C with a NiPdAu lead finish.
Further suffix letters or digits differentiate shipping package formats.

Notes:

1. The devices meet basic insulation requirements for 830Vrms and reinforce insulation requirements. (Pollution degree 2, material group III)
2. Case material: material group I
3. Evaluated by thermal cycling and other tests for a temperature rating of 125C
4. The creepage and clearance has been evaluated for altitudes <2000m, in pollution degree 2 and overvoltage category II except where specified above. (Pollution degree 2, material group III)

Tested according to: EN IEC 62368-1:2020/A11:2022

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