

# ADM2587EBRWZ-REEL7

### **ADM2587EBRWZ-REEL7 Information**



For Reference Only

Part Number ADM2587EBRWZ-REEL7

Manufacturer Analog Devices Inc.

**Category** Isolators

**Digital Isolators** 

**Description** DGTL ISO RS422/RS485 20SOIC **Package** 20-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









## **ADM2587EBRWZ-REEL7 Specifications**

Manufacturer Part Number         ADM2587EBRWZ-REEL7           Manufacturer         Analog Devices Inc.           Category         Isolators           Package         20-SOIC (0.295", 7.50mm Width)           Series         IsoPower?, iCoupler?           Technology         Magnetic Coupling           Type         RS422, RS485           Isolated Power         Yes           Number of Channels         3           Inputs - Side 1/Side 2         2/1           Channel Type         Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         25kV/µs           Data Rate         500kbps           Propagation Delay tpLH / tpHL (Max)         -           Rise / Fall Time (Typ)         1.1µs, 1.1µs (Max)           Voltage - Supply         3.3V, 5V           Operating Temperature         40°C ~ 85°C           Package / Case         20-SOIC (0.295", 7.50mm Width)           Supplier Device Package         20-SOIC		
Category         Isolators           Package         20-SOIC (0.295", 7.50mm Width)           Series         IsoPower?, iCoupler?           Technology         Magnetic Coupling           Type         RS422, RS485           Isolated Power         Yes           Number of Channels         3           Inputs - Side 1/Side 2         2/1           Channel Type         Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         25kV/µs           Data Rate         500kbps           Propagation Delay tpLH / tpHL (Max)         -           Pulse Width Distortion (Max)         -           Rise / Fall Time (Typ)         1.1µs, 1.1µs (Max)           Voltage - Supply         3.3V, 5V           Operating Temperature         -40°C ~ 85°C           Package / Case         20-SOIC (0.295", 7.50mm Width)           Supplier Device Package         20-SOIC	Manufacturer Part Number	ADM2587EBRWZ-REEL7
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Technology         Magnetic Coupling           Type         RS422, RS485           Isolated Power         Yes           Number of Channels         3           Inputs - Side 1/Side 2         2/1           Channel Type         Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         25kV/μs           Data Rate         500kbps           Propagation Delay tpLH / tpHL (Max)         -           Pulse Width Distortion (Max)         -           Rise / Fall Time (Typ)         1.1μs, 1.1μs (Max)           Voltage - Supply         3.3V, 5V           Operating Temperature         -40°C ~ 85°C           Package / Case         20-SOIC (0.295", 7.50mm Width)           Supplier Device Package         20-SOIC	Package	20-SOIC (0.295", 7.50mm Width)
Type RS422, RS485  Isolated Power Yes  Number of Channels 3  Inputs - Side 1/Side 2 2/1  Channel Type Unidirectional  Voltage - Isolation 2500Vrms  Common Mode Transient Immunity (Min) 25kV/µs  Data Rate 500kbps  Propagation Delay tpLH / tpHL (Max) -  Pulse Width Distortion (Max) -  Rise / Fall Time (Typ) 1.1µs, 1.1µs (Max)  Voltage - Supply 3.3V, 5V  Operating Temperature -40°C ~ 85°C  Package / Case 20-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Series	IsoPower?, iCoupler?
Isolated Power  Number of Channels  Inputs - Side 1/Side 2  Channel Type  Unidirectional  Voltage - Isolation  Common Mode Transient Immunity (Min)  Data Rate  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  1.1µs, 1.1µs (Max)  Voltage - Supply  Operating Temperature  -40°C ~ 85°C  Package / Case  20-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Technology	Magnetic Coupling
Number of Channels3Inputs - Side 1/Side 22/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate500kbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)1.1μs, 1.1μs (Max)Voltage - Supply3.3V, 5VOperating Temperature-40°C ~ 85°CPackage / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Туре	RS422, RS485
Inputs - Side 1/Side 2  Channel Type  Unidirectional  Voltage - Isolation  2500Vrms  Common Mode Transient Immunity (Min)  Data Rate  500kbps  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  1.1µs, 1.1µs (Max)  Voltage - Supply  3.3V, 5V  Operating Temperature  -40°C ~ 85°C  Package / Case  20-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Isolated Power	Yes
Channel Type Unidirectional  Voltage - Isolation 2500Vrms  Common Mode Transient Immunity (Min) 25kV/µs  Data Rate 500kbps  Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 1.1µs, 1.1µs (Max) Voltage - Supply 3.3V, 5V  Operating Temperature -40°C ~ 85°C  Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Number of Channels	3
Voltage - Isolation  2500Vrms  Common Mode Transient Immunity (Min)  25kV/µs  Data Rate  500kbps  Propagation Delay tpLH / tpHL (Max)  - Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  1.1µs, 1.1µs (Max)  Voltage - Supply  Operating Temperature  -40°C ~ 85°C  Package / Case  20-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Inputs - Side 1/Side 2	2/1
Common Mode Transient Immunity (Min)  Data Rate  500kbps  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  1.1µs, 1.1µs (Max)  Voltage - Supply  3.3V, 5V  Operating Temperature  -40°C ~ 85°C  Package / Case  20-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Channel Type	Unidirectional
Data Rate500kbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)1.1μs, 1.1μs (Max)Voltage - Supply3.3V, 5VOperating Temperature-40°C ~ 85°CPackage / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  1.1µs, 1.1µs (Max)  Voltage - Supply  3.3V, 5V  Operating Temperature  -40°C ~ 85°C  Package / Case  20-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Common Mode Transient Immunity (Min)	25kV/μs
Pulse Width Distortion (Max)-Rise / Fall Time (Typ)1.1μs, 1.1μs (Max)Voltage - Supply3.3V, 5VOperating Temperature-40°C ~ 85°CPackage / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Data Rate	500kbps
Rise / Fall Time (Typ) $1.1 \mu s, 1.1 \mu s \text{ (Max)}$ Voltage - Supply $3.3 V, 5 V$ Operating Temperature $-40 ^{\circ}\text{C} \sim 85 ^{\circ}\text{C}$ Package / Case $20\text{-SOIC (0.295'', 7.50mm Width)}$ Supplier Device Package $20\text{-SOIC}$	Propagation Delay tpLH / tpHL (Max)	-
Voltage - Supply $3.3V, 5V$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $20\text{-SOIC}$ ( $0.295^{\circ}$ , $7.50\text{mm}$ Width)Supplier Device Package $20\text{-SOIC}$	Pulse Width Distortion (Max)	-
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $20\text{-SOIC} (0.295^{\circ}, 7.50 \text{mm Width})$ Supplier Device Package $20\text{-SOIC}$	Rise / Fall Time (Typ)	1.1μs, 1.1μs (Max)
Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Voltage - Supply	3.3V, 5V
Supplier Device Package 20-SOIC	Operating Temperature	-40°C ~ 85°C
	Package / Case	20-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	20-SOIC
		Report errors?

#### **ADM2587EBRWZ-REEL7 Guarantees**



#### **Ouality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### **ADM2587EBRWZ-REEL7 Payment Methods**



















### **ADM2587EBRWZ-REEL7 Shipping Methods**













If you have any question about ADM2587EBRWZ-REEL7, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com