



## DS12R887-33

Manufacturer Part Number	<b>DS12R887-33</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-DS12R887-33
ECAD Model	Request Free CAD Models
Parts Description	IC RTC CLK/CALENDAR PAR 48BGA
Package	48-BBGA
Data sheet	DS12R887-33.pdf
RoHS Status	<b>ROHS3 Compliant</b>



**Get a Quote**

DS12R887-33 - Analog Devices Inc./Maxim Integrated. New Original in Stock. Download Linear Technology DS12R887-33 datasheet/specifications on AllelcoElec.com.

Request a quote for DS12R887-33, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

DS12R887-33 Tech Specifications

DS12R887-33 - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Operating Temperature	-40°C ~ 85°C
Voltage - Supply, Battery	2V ~ 3.05V	Mounting Type	Surface Mount
Voltage - Supply	2.97V ~ 3.63V	Memory Size	114B
Type	Clock/Calendar	Interface	Parallel
Time Format	HH:MM:SS (12/24 hr)	Features	Alarm, Leap Year, NVSRAM, Square Wave Output, Trickle-Charger
Supplier Device Package	48-PBGA (11.8x15.3)	Date Format	YY-MM-DD-dd
Series	-	Current - Timekeeping (Max)	2mA @ 2.97V ~ 3.63V
Package / Case	48-BBGA	Base Product Number	DS12R887
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated DS12R887-33

Product Attribute	NO PICTURE			
Part Number	DS12R887-33	<a href="#">DS1302N</a>	<a href="#">DS12CR887-5+</a>	<a href="#">DS1302N+</a>
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Interface	Parallel	3-Wire Serial	Parallel	3-Wire Serial
Date Format	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd
Time Format	HH:MM:SS (12/24 hr)	HH:MM:SS (12/24 hr)	HH:MM:SS (12/24 hr)	HH:MM:SS (12/24 hr)
Supplier Device Package	48-PBGA (11.8x15.3)	8-PDIP	24-EDIP	8-PDIP
Series	-	-	-	-
Voltage - Supply	2.97V ~ 3.63V	2V ~ 5.5V	4.5V ~ 5.5V	2V ~ 5.5V
Current - Timekeeping (Max)	2mA @ 2.97V ~ 3.63V	0.3µA ~ 1µA @ 2V ~ 5V	2mA @ 4.5V ~ 5.5V	0.3µA ~ 1µA @ 2V ~ 5V
Package / Case	48-BBGA	8-DIP (0.300", 7.62mm)	24-DIP Module (0.600", 15.24mm)	8-DIP (0.300", 7.62mm)
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Memory Size	114B	31B	114B	31B
Features	Alarm, Leap Year, NVSRAM, Square Wave Output, Trickle-Charger	Leap Year, NVSRAM, Trickle-Charger	Alarm, Leap Year, NVSRAM, Square Wave Output, Trickle-Charger	Leap Year, NVSRAM, Trickle-Charger
Base Product Number	DS12R887	DS1302	DS12CR887	DS1302
Mounting Type	Surface Mount	Through Hole	Through Hole	Through Hole
Type	Clock/Calendar	Clock/Calendar	Clock/Calendar	Clock/Calendar
Voltage - Supply, Battery	2V ~ 3.05V	2V ~ 5.5V	2V ~ 3.05V	2V ~ 5.5V
Package	Tray	Tube	Tube	Tube

## DS12R887-33 Datasheet PDF

Download DS12R887-33 pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for DS12R887-33 - Analog Devices Inc./Maxim Integrated.

### Environmental Information

Maxim Integrated REACH.pdf

Maxim Integrated RoHS Cert.pdf

### Application Notes

Selecting a Backup Source for Real-Time Clocks.pdf

State Machine Logic in Binary-Coded Decimal (BCD)-.pdf

Lithium Battery Content in Maxim Products.pdf






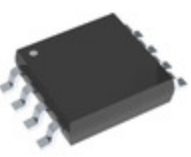












Calculating ML Cell Life for an RTC Backup Operati.pdf

### PCN Obsolescence/ EOL

Cylindrical Battery Holders.pdf

## Customers Also Interested in

### Recommended Products

 <b>DS12CR887+5</b> Analog Devices / Maxim Integrated	 <b>DS1302N</b> Analog Devices Inc./Maxim Integrated IC RTC CLK/CALENDAR SER 8DIP	 <b>DS12CR887-5+</b> Analog Devices Inc./Maxim Integrated IC RTC CLK/CALENDAR PAR 24EDIP	 <b>DS1302N+</b> Analog Devices Inc./Maxim Integrated IC RTC CLK/CALENDAR SER 8DIP	 <b>DS12R887</b> DALLAS	 <b>DS1302S</b> Analog Devices Inc./Maxim Integrated IC RTC CLK/CALENDAR SER 8SOIC
 <b>DS12CR887+33</b> DALLAS	 <b>DS1302+</b> Analog Devices Inc./Maxim Integrated IC RTC CLK/CALENDAR SER 8DIP	 <b>DS12CR887-33+</b> Analog Devices Inc./Maxim Integrated IC RTC CLK/CALENDAR PAR 24EDIP	 <b>DS12C887+</b> Analog Devices Inc./Maxim Integrated IC RTC CLK/CALENDAR PAR 24EDIP	 <b>DS12C887A</b> Analog Devices Inc./Maxim Integrated IC RTC CLK/CALENDAR PAR 24EDIP	 <b>DS12R885S-5</b> Analog Devices / Maxim Integrated
 <b>DS1302M</b> HG/HX	 <b>DS12CR887-5</b> DALLAS	 <b>DS12W X2</b>	 <b>DS1302</b> Analog Devices Inc./Maxim Integrated IC RTC CLK/CALENDAR SER 8DIP	 <b>DS12R887-5</b> Analog Devices Inc./Maxim Integrated IC RTC CLK/CALENDAR PAR 48BGA	 <b>DS12CR887-33</b> Analog Devices / Maxim Integrated

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

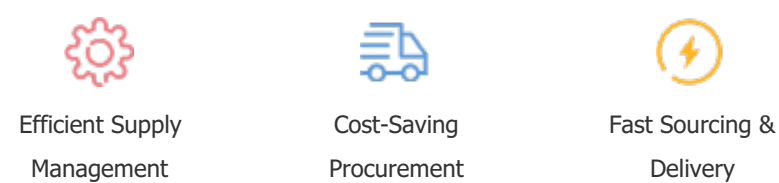
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

### Payment Support

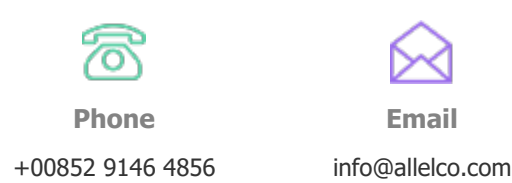
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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