



Image may be representation.  
See specifications for product details.



## DS7505U+

|                          |  |
|--------------------------|--|
| Manufacturer Part Number | <b>DS7505U+</b>                        |
| Manufacturer             | <b>Maxim Integrated</b>                |
| Allelco Part Number      | 32D-DS7505U+                           |
| ECAD Model               | Request Free CAD Models                |
| Parts Description        | SENSOR DIGITAL -55C-125C 8UMAX         |
| Package                  | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) |
| Data sheet               | <b>Cylindrical Battery Holders.pdf</b> |
| RoHs Status              | <b>ROHS3 Compliant</b>                 |

**Get a Quote**

DS7505U+ - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology DS7505U+ datasheet/specifications on AllelcoElec.com.  
Request a quote for DS7505U+, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

DS7505U+ Tech Specifications  
DS7505U+ - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

| Product Attribute            | Attribute Value            | Product Attribute           | Attribute Value   |
|------------------------------|----------------------------|-----------------------------|---|
| Manufacturer                 | Maxim Integrated           | Package / Case              | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)  |
| Voltage - Supply             | 1.7V ~ 3.7V                | Package                     | Tube  |
| Test Condition               | 0°C ~ 70°C (-55°C ~ 125°C) | Output Type                 | I <sup>2</sup> C  |
| Supplier Device Package      | 8-uMAX/uSOP                | Operating Temperature       | -55°C ~ 125°C   |
| Series                       | -                          | Mounting Type               | Surface Mount   |
| Sensor Type                  | Digital, Local             | Features                    | Output Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby Mode |
| Sensing Temperature - Remote | -                          | Base Product Number         | DS7505  |
| Sensing Temperature - Local  | -55°C ~ 125°C              | Accuracy - Highest (Lowest) | ±0.5°C (±2°C)   |
| Resolution                   | 11 b                       |                             |   |

## Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated DS7505U+

| Product Attribute            |   |   |   |                          |
|------------------------------|---|---|---|--------------------------|
| Part Number                  | DS7505U+  | DS7505S+  | DS7505U+T&R   | DS75107J                 |
| Manufacturer                 | Analog Devices Inc./Maxim Integrated  | Analog Devices Inc./Maxim Integrated  | Analog Devices Inc./Maxim Integrated  | Texas Instruments        |
| Resolution                   | 11 b  | 11 b  | 11 b  | -                        |
| Sensor Type                  | Digital, Local  | Digital, Local  | Digital, Local  | -                        |
| Sensing Temperature - Local  | -55°C ~ 125°C   | -55°C ~ 125°C   | -55°C ~ 125°C   | -                        |
| Sensing Temperature - Remote | -   | -   | -   | -                        |
| Package                      | Tube  | Tube  | Tape & Reel (TR)  | Bulk                     |
| Voltage - Supply             | 1.7V ~ 3.7V   | 1.7V ~ 3.7V   | 1.7V ~ 3.7V   | ±4.75V ~ 5.25V           |
| Supplier Device Package      | 8-uMAX/uSOP   | 8-SOIC  | 8-uMAX/uSOP   | 14-CERDIP                |
| Accuracy - Highest (Lowest)  | ±0.5°C (±2°C)   | ±0.5°C (±2°C)   | ±0.5°C (±2°C)   | -                        |
| Mounting Type                | Surface Mount   | Surface Mount   | Surface Mount   | Through Hole             |
| Test Condition               | 0°C ~ 70°C (-55°C ~ 125°C)  | 0°C ~ 70°C (-55°C ~ 125°C)  | 0°C ~ 70°C (-55°C ~ 125°C)  | -                        |
| Features                     | Output Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby Mode | Output Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby Mode | Output Switch, Programmable Limit, Programmable Resolution, Shutdown Mode, Standby Mode | -                        |
| Base Product Number          | DS7505  | DS7505  | DS7505  | -                        |
| Operating Temperature        | -55°C ~ 125°C   | -55°C ~ 125°C   | -55°C ~ 125°C   | 0°C ~ 70°C (TA)          |
| Output Type                  | I <sup>2</sup> C  | I <sup>2</sup> C  | I <sup>2</sup> C  | -                        |
| Series                       | -   | -   | -   | DS75107                  |
| Package / Case               | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)  | 8-SOIC (0.154", 3.90mm Width)   | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)  | 14-CDIP (0.300", 7.62mm) |

## DS7505U+ Datasheet PDF

Download DS7505U+ pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for DS7505U+ - Analog Devices Inc./Maxim Integrated.

### Datasheets

[Cylindrical Battery Holders.pdf](#)

### Environmental Information

[Maxim Integrated REACH.pdf](#)

[Maxim Integrated RoHS Cert.pdf](#)

[Material Declaration DS7505U+.pdf](#)

### Application Notes

[Understanding Multidrop Address Assignments for Th.pdf](#)

[Overview of Sensor Signal Paths.pdf](#)

## Customers Also Interested in

## Recommended Products



**DS75107J**

Texas Instruments  
LINE RECEIVER



**DS75-18B**

IXYS / Littelfuse  
IGBT Module



NO PICTURE

**DS75108N/MC75108P**

NS



**DS75-06B**

IXYS / Littelfuse  
IGBT Module



NO PICTURE

**DS75029A6**

DALLAS



**DS75107N**

Texas Instruments  
IC RECEIVER 0/2 14DIP



**DS75-14B**

IXYS / Littelfuse  
IGBT Module



NO PICTURE

**DS751-40LED02**

CJ



NO PICTURE

**DS7505U+T&R**

DALLAS SEMICONDUCTOR



**DS7505S+**

Analog Devices Inc./Maxim  
Integrated  
SENSOR DIGITAL -55C-125C 8SOIC



**DS75-12B**

IXYS  
DIODE GP 1.2KV 110A DO203AB



**DS75107MX**

Texas Instruments  
IC RECEIVER 0/2 14SOIC



**DS75107AN**

Texas Instruments  
LINE RECEIVER



**DS75-08B**

IXYS  
DIODE GEN PURP 800V 110A  
DO203AB



NO PICTURE

**DS75107**

NS



**DS7505U+T&R**

Analog Devices Inc./Maxim  
Integrated  
SENSOR DIGITAL -55C-125C 8UMAX



**DS7505**

Analog Devices / Maxim  
Integrated



**DS7505U+T**

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 -



Efficient Supply  
Management



Cost-Saving  
Procurement



Fast Sourcing &  
Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

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## Certifications & Memberships



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