

Image may be representation.  
See specifications for product details.



## MAX20077ATCA/VY+T

|                          |                                |
|--------------------------|--------------------------------|
| Manufacturer Part Number | <b>MAX20077ATCA/VY+T</b>       |
| Manufacturer             | <b>Maxim Integrated</b>        |
| Allelco Part Number      | 32D-MAX20077ATCA/VY+T          |
| ECAD Model               | Request Free CAD Models        |
| Parts Description        | <b>36V 2.5A BUCK CONVERTER</b> |
| Package                  | <b>12-WDFN Exposed Pad</b>     |
| Data sheet               | MAX20077ATCA/VY+T.pdf          |
| RoHs Status              | <b>ROHS3 Compliant</b>         |

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MAX20077ATCA/VY+T - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology MAX20077ATCA/VY+T datasheet/specifications on AllelcoElec.com.  
Request a quote for MAX20077ATCA/VY+T, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MAX20077ATCA/VY+T Tech Specifications  
MAX20077ATCA/VY+T - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

| Product Attribute            | Attribute Value      | Product Attribute     | Attribute Value               |
|------------------------------|----------------------|-----------------------|-------------------------------|
| Manufacturer                 | Maxim Integrated     | Package               | Tape & Reel (TR)              |
| Voltage - Output (Min/Fixed) | 1V                   | Output Type           | Adjustable                    |
| Voltage - Output (Max)       | 10V                  | Output Configuration  | Positive                      |
| Voltage - Input (Min)        | 3.5V                 | Operating Temperature | -40°C ~ 125°C                 |
| Voltage - Input (Max)        | 40V                  | Number of Outputs     | 1                             |
| Topology                     | Buck                 | Mounting Type         | Surface Mount, Wettable Flank |
| Synchronous Rectifier        | Yes                  | Function              | Step-Down                     |
| Supplier Device Package      | 12-TDFN-EP (3x3)     | Frequency - Switching | 400kHz, 2.1MHz                |
| Series                       | Automotive, AEC-Q100 | Current - Output      | 2.5A                          |
| Package / Case               | 12-WDFN Exposed Pad  | Base Product Number   | MAX20077                      |

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated MAX20077ATCA/VY+T

| Product Attribute            |                                      |                                      |                                      |                                      |
|------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Part Number                  | MAX20077ATCA/VY+T                    | MAX20073ATBB/V+T                     | MAX20075ATCC/V+                      | MAX20077ATCB/VY+T                    |
| Manufacturer                 | Analog Devices Inc./Maxim Integrated | Analog Devices Inc./Maxim Integrated | Analog Devices Inc./Maxim Integrated | Analog Devices Inc./Maxim Integrated |
| Current - Output             | 2.5A                                 | -                                    | 600mA                                | 2.5A                                 |
| Supplier Device Package      | 12-TDFN-EP (3x3)                     | -                                    | 12-TDFN (3x3)                        | 12-TDFN-EP (3x3)                     |
| Series                       | Automotive, AEC-Q100                 | *                                    | -                                    | Automotive, AEC-Q100                 |
| Function                     | Step-Down                            | -                                    | Step-Down                            | Step-Down                            |
| Output Type                  | Adjustable                           | -                                    | Programmable (Fixed)                 | Adjustable                           |
| Synchronous Rectifier        | Yes                                  | -                                    | Yes                                  | Yes                                  |
| Voltage - Output (Min/Fixed) | 1V                                   | -                                    | 1V                                   | 1V                                   |
| Frequency - Switching        | 400kHz, 2.1MHz                       | -                                    | -                                    | 400kHz, 2.1MHz                       |
| Operating Temperature        | -40°C ~ 125°C                        | -                                    | 0°C ~ 70°C                           | -40°C ~ 125°C                        |
| Number of Outputs            | 1                                    | -                                    | 1                                    | 1                                    |
| Package                      | Tape & Reel (TR)                     | Tape & Reel (TR)                     | Strip                                | Tape & Reel (TR)                     |
| Voltage - Input (Max)        | 40V                                  | -                                    | 36V                                  | 40V                                  |
| Mounting Type                | Surface Mount, Wettable Flank        | -                                    | Surface Mount                        | Surface Mount, Wettable Flank        |
| Package / Case               | 12-WDFN Exposed Pad                  | -                                    | 12-WDFN Exposed Pad                  | 12-WDFN Exposed Pad                  |
| Voltage - Input (Min)        | 3.5V                                 | -                                    | 3.5V                                 | 3.5V                                 |
| Voltage - Output (Max)       | 10V                                  | -                                    | 10V                                  | 10V                                  |
| Output Configuration         | Positive                             | -                                    | Positive                             | Positive                             |
| Base Product Number          | MAX20077                             | MAX20073                             | MAX20075                             | MAX20077                             |
| Topology                     | Buck                                 | -                                    | Buck                                 | Buck                                 |

### MAX20077ATCA/VY+T Datasheet PDF

Download MAX20077ATCA/VY+T pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for MAX20077ATCA/VY+T - Analog Devices Inc./Maxim Integrated.

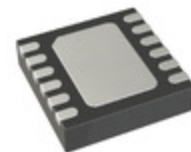
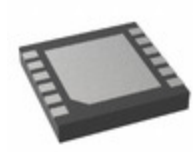
#### Environmental Information

[Maxim Integrated REACH.pdf](#)

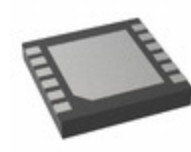
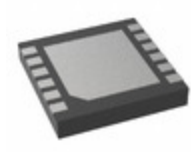
[Maxim Integrated RoHS Cert.pdf](#)

### Customers Also Interested in

#### Recommended Products

**MAX20084ATEA/VY+T**Analog Devices Inc./Maxim Integrated  
DUAL LDO WITH I2C FOR PHANTOM AN**MAX20078AUE+**Analog Devices Inc./Maxim Integrated  
IC LED DRV CTRL PWM 10MA 16TSSOP**MAX20073ATBB/V+T**Analog Devices Inc./Maxim Integrated  
IC REG 2A STEP-DOWN 2A TDFN**MAX20075ATCC/V+**Analog Devices Inc./Maxim Integrated  
IC REG BUCK PROG 600MA 12TDFN**MAX20076DATCB/V+**

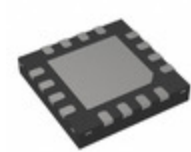
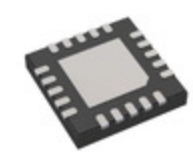
Analog Devices / Maxim Integrated

**MAX20077ATCB/VY+T**Analog Devices Inc./Maxim Integrated  
36V 2.5A BUCK CONVERTER**MAX20075ATCB/V+T**Analog Devices Inc./Maxim Integrated  
IC REG BUCK PROG 600MA 12TDFN**MAX20075DATCA/V+T**Analog Devices Inc./Maxim Integrated  
600MA 2.2MHZ MINI BUCK CONV W/5U**MAX20077ATCD/VY+T**Analog Devices Inc./Maxim Integrated  
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36V 2.5A BUCK CONVERTER**MAX20076ATCB/V+T**Analog Devices Inc./Maxim Integrated  
IC REG BUCK PROG 1.2A 12TDFN**MAX20078ATE/V**

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**MAX20075DATCA/V**

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IC REG BUCK PROG 600MA 12TDFN**MAX20086ATPA/VY+**Analog Devices Inc./Maxim Integrated  
IC CURRENT SWITCH 8% 20TQFN

## 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.



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## Certifications & Memberships



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