

Image may be representation.
See specifications for product details.



TC4422AVAT

| | |
|--------------------------|--|
| Manufacturer Part Number | TC4422AVAT |
| Manufacturer | Microchip Technology |
| Allelco Part Number | 32D-TC4422AVAT |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | IC GATE DRVR LOW-SIDE TO220-5 |
| Package | TO-220-5 |
| Data sheet | Cylindrical Battery Holders.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

TC4422AVAT - Microchip Technology. New Original in Stock. Download Linear Technology TC4422AVAT datasheet/specifications on AllelcoElec.com. Request a quote for TC4422AVAT, please send us email: info@allelco.com

Specifications

TC4422AVAT Tech Specifications

TC4422AVAT - Microchip Technology technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-------------------------|----------------------|--------------------------------------|-----------------------------------|
| Manufacturer | Microchip Technology | Mounting Type | Through Hole |
| Voltage - Supply | 4.5V ~ 18V | Logic Voltage - VIL, VIH | 0.8V, 2.4V |
| Supplier Device Package | TO-220-5 | Input Type | Non-Inverting |
| Series | - | Gate Type | IGBT, N-Channel, P-Channel MOSFET |
| Rise / Fall Time (Typ) | 38ns, 33ns | Driven Configuration | Low-Side |
| Package / Case | TO-220-5 | Current - Peak Output (Source, Sink) | 10A, 10A |
| Package | Tube | Channel Type | Single |
| Operating Temperature | -40°C ~ 150°C (TJ) | Base Product Number | TC4422 |
| Number of Drivers | 1 | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology TC4422AVAT

| Product Attribute | | | | |
|--------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Part Number | TC4422AVAT | TC4421VPA | TC4422CPA | TC4421EPA |
| Manufacturer | Microchip Technology | Microchip Technology | Microchip Technology | Microchip Technology |
| Mounting Type | Through Hole | Through Hole | Through Hole | Through Hole |
| Gate Type | IGBT, N-Channel, P-Channel MOSFET | IGBT, N-Channel, P-Channel MOSFET | IGBT, N-Channel, P-Channel MOSFET | IGBT, N-Channel, P-Channel MOSFET |
| Package / Case | TO-220-5 | 8-DIP (0.300', 7.62mm) | 8-DIP (0.300', 7.62mm) | 8-DIP (0.300', 7.62mm) |
| Package | Tube | Tube | Tube | Tube |
| Number of Drivers | 1 | 1 | 1 | 1 |
| Current - Peak Output (Source, Sink) | 10A, 10A | 9A, 9A | 9A, 9A | 9A, 9A |
| Channel Type | Single | Single | Single | Single |
| Rise / Fall Time (Typ) | 38ns, 33ns | 60ns, 60ns | 60ns, 60ns | 60ns, 60ns |
| Voltage - Supply | 4.5V ~ 18V | 4.5V ~ 18V | 4.5V ~ 18V | 4.5V ~ 18V |
| Input Type | Non-Inverting | Inverting | Non-Inverting | Inverting |
| Operating Temperature | -40°C ~ 150°C (TJ) | -40°C ~ 150°C (TJ) | 0°C ~ 150°C (TJ) | -40°C ~ 150°C (TJ) |
| Base Product Number | TC4422 | TC4421 | TC4422 | TC4421 |
| Series | - | - | - | - |
| Driven Configuration | Low-Side | Low-Side | Low-Side | Low-Side |
| Supplier Device Package | TO-220-5 | 8-PDIP | 8-PDIP | 8-PDIP |
| Logic Voltage - VIL, VIH | 0.8V, 2.4V | 0.8V, 2.4V | 0.8V, 2.4V | 0.8V, 2.4V |

TC4422AVAT Datasheet PDF

Download TC4422AVAT pdf datasheets and Microchip Technology documentation for TC4422AVAT - Microchip Technology.

Datasheets

[Cylindrical Battery Holders.pdf](#)

PCN Packaging

[Label and Packing Changes 23/Sep/2015.pdf](#)

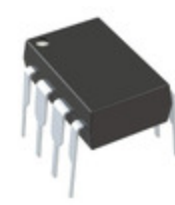
[Packing Changes 10/Oct/2016.pdf](#)

PCN Assembly/Origin

[2.73KHz.pdf](#)

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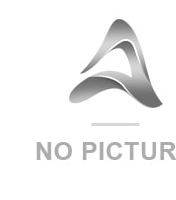
Recommended Products

**TC4421VPA**Microchip Technology
IC GATE DRVR LOW-SIDE 8DIP**TC4421EOA**

MIC

TC44228E

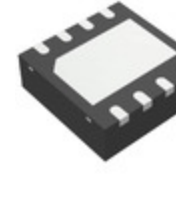
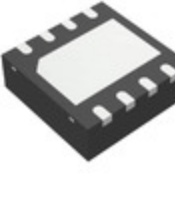
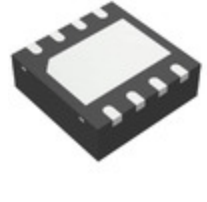
Micrel / Microchip Technology

TC4422CPAMicrochip Technology
IC GATE DRVR LOW-SIDE 8DIP**TC4421EPA**Microchip Technology
IC GATE DRVR LOW-SIDE 8DIP**TC4422AVPA**Microchip Technology
IC GATE DRVR LOW-SIDE 8DIP**TC4421MJA**Microchip Technology
IC GATE DRVR LOW-SIDE 8CERDIP**TC4422CSM**

MIC

TC4422CATMicrochip Technology
IC GATE DRVR LOW-SIDE TO220-5**TC4422AVOA713**Microchip Technology
IC GATE DRVR LOW-SIDE 8SOIC**TC4422ACOA**

MIC

TC4422AVOAMicrochip Technology
IC GATE DRVR LOW-SIDE 8SOIC**TC4421EMF**Microchip Technology
IC GATE DRVR LOW-SIDE 8DFN**TC4422EAT**

MICROCHI

TC4422AVMFMicrochip Technology
IC GATE DRVR LOW-SIDE 8DFN**TC4421VAT**Microchip Technology
IC GATE DRVR LOW-SIDE TO220-5**TC4422AVMF713**Microchip Technology
IC GATE DRVR LOW-SIDE 8DFN**TC4421CPA**Microchip Technology
IC GATE DRVR LOW-SIDE 8DIP

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

info@allelco.com

Certifications & Memberships



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