

Image may be representation.  
See specifications for product details.



## SI3447CDV-T1-GE3

|                          |                            |
|--------------------------|----------------------------|
| Manufacturer Part Number | <b>SI3447CDV-T1-GE3</b>    |
| Manufacturer             | <b>Vishay / Siliconix</b>  |
| Allelco Part Number      | 32D-SI3447CDV-T1-GE3       |
| ECAD Model               | Request Free CAD Models    |
| Parts Description        | MOSFET P-CH 12V 7.8A 6TSOP |
| Package                  | SOT-23-6 Thin, TSOT-23-6   |
| Data sheet               | <b>SI3447CDV.pdf</b>       |
| RoHs Status              | <b>ROHS3 Compliant</b>     |

**Get a Quote**

SI3447CDV-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI3447CDV-T1-GE3 datasheet/specifications on AllelcoElec.com.  
Request a quote for SI3447CDV-T1-GE3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SI3447CDV-T1-GE3 Tech Specifications  
SI3447CDV-T1-GE3 - Vishay Siliconix technical specifications, attributes, parameters

| Product Attribute       | Attribute Value          | Product Attribute                      | Attribute Value    |
|-------------------------|--------------------------|--|--------------------|
| Manufacturer            | Vishay / Siliconix       | Operating Temperature                  | -55°C ~ 150°C (TJ) |
| Vgs(th) (Max) @ Id      | 1V @ 250µA               | Mounting Type                          | Surface Mount      |
| Vgs (Max)               | ±8V                      | Input Capacitance (Ciss) (Max) @ Vds   | 910 pF @ 6 V       |
| Technology              | MOSFET (Metal Oxide)     | Gate Charge (Qg) (Max) @ Vgs           | 30 nC @ 8 V        |
| Supplier Device Package | 6-TSOP                   | FET Type                               | P-Channel          |
| Series                  | TrenchFET®               | FET Feature                            | -                  |
| Rds On (Max) @ Id, Vgs  | 36mOhm @ 6.3A, 4.5V      | Drive Voltage (Max Rds On, Min Rds On) | 1.8V, 4.5V         |
| Power Dissipation (Max) | 2W (Ta), 3W (Tc)         | Drain to Source Voltage (Vdss)         | 12 V               |
| Package / Case          | SOT-23-6 Thin, TSOT-23-6 | Current - Continuous Drain (Id) @ 25°C | 7.8A (Tc)          |
| Package                 | Tape & Reel (TR)         | Base Product Number                    | SI3447             |

### Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SI3447CDV-T1-GE3

| Product Attribute                      |                          |                          |                          |                          |
|--|--------------------------|--------------------------|--------------------------|--------------------------|
| Part Number                            | SI3447CDV-T1-GE3         | SI3451DV-T1-GE3          | SI3447BDV-T1-E3          | SI3451DV-T1-E3           |
| Manufacturer                           | Vishay Siliconix         | Vishay Siliconix         | Vishay Siliconix         | Vishay Siliconix         |
| Supplier Device Package                | 6-TSOP                   | 6-TSOP                   | 6-TSOP                   | 6-TSOP                   |
| Power Dissipation (Max)                | 2W (Ta), 3W (Tc)         | 1.25W (Ta), 2.1W (Tc)    | 1.1W (Ta)                | 1.25W (Ta), 2.1W (Tc)    |
| Drive Voltage (Max Rds On, Min Rds On) | 1.8V, 4.5V               | 2.5V, 4.5V               | 1.8V, 4.5V               | 2.5V, 4.5V               |
| Mounting Type                          | Surface Mount            | Surface Mount            | Surface Mount            | Surface Mount            |
| Base Product Number                    | SI3447                   | SI3451                   | SI3447                   | SI3451                   |
| Series                                 | TrenchFET®               | TrenchFET®               | TrenchFET®               | TrenchFET®               |
| Rds On (Max) @ Id, Vgs                 | 36mOhm @ 6.3A, 4.5V      | 115mOhm @ 2.6A, 4.5V     | 40mOhm @ 6A, 4.5V        | 115mOhm @ 2.6A, 4.5V     |
| Vgs (Max)                              | ±8V                      | ±12V                     | ±8V                      | ±12V                     |
| FET Feature                            | -                        | -                        | -                        | -                        |
| FET Type                               | P-Channel                | P-Channel                | P-Channel                | P-Channel                |
| Vgs(th) (Max) @ Id                     | 1V @ 250µA               | 1.5V @ 250µA             | 1V @ 250µA               | 1.5V @ 250µA             |
| Operating Temperature                  | -55°C ~ 150°C (TJ)       | -55°C ~ 150°C (TJ)       | -55°C ~ 150°C (TJ)       | -55°C ~ 150°C (TJ)       |
| Drain to Source Voltage (Vdss)         | 12 V                     | 20 V                     | 12 V                     | 20 V                     |
| Current - Continuous Drain (Id) @ 25°C | 7.8A (Tc)                | 2.8A (Tc)                | 4.5A (Ta)                | 2.8A (Tc)                |
| Gate Charge (Qg) (Max) @ Vgs           | 30 nC @ 8 V              | 5.1 nC @ 5 V             | 14 nC @ 4.5 V            | 5.1 nC @ 5 V             |
| Package / Case                         | SOT-23-6 Thin, TSOT-23-6 | SOT-23-6 Thin, TSOT-23-6 | SOT-23-6 Thin, TSOT-23-6 | SOT-23-6 Thin, TSOT-23-6 |
| Package                                | Tape & Reel (TR)         | Tape & Reel (TR)         | Tape & Reel (TR)         | Tape & Reel (TR)         |
| Technology                             | MOSFET (Metal Oxide)     | MOSFET (Metal Oxide)     | MOSFET (Metal Oxide)     | MOSFET (Metal Oxide)     |
| Input Capacitance (Ciss) (Max) @ Vds   | 910 pF @ 6 V             | 250 pF @ 10 V            | -                        | 250 pF @ 10 V            |

### SI3447CDV-T1-GE3 Datasheet PDF

Download SI3447CDV-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SI3447CDV-T1-GE3 - Vishay Siliconix.

#### Datasheets

SI3447CDV.pdf

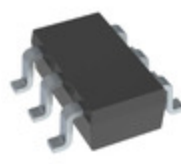

















#### PCN Assembly/Origin

New Solder Plating Site 18/Apr/2023.pdf

#### PCN Obsolescence/ EOL

## Customers Also Interested in

### Recommended Products

|  |   |   |   |  |  |
|--|---|---|---|--|--|
|   |  |  |   |   |   |
| <b>SI3451DV-T1-GE3</b><br>Vishay Siliconix<br>MOSFET P-CH 20V 2.8A 6TSOP           | <b>SI3447BDS</b><br>Electro-Films (EFI) / Vishay                                  | <b>SI3447CDV-T1-GE3 MOS</b><br>Electro-Films (EFI) / Vishay                       | <b>SI3447BDV-T1-E3</b><br>Vishay Siliconix<br>MOSFET P-CH 12V 4.5A 6TSOP            | <b>SI3446DV-TI-E3</b><br>Electro-Films (EFI) / Vishay                                | <b>SI3447DV-T1</b><br>Electro-Films (EFI) / Vishay                                   |
|   |  |  |   |   |   |
| <b>SI3446DV-T1-E3</b><br>Electro-Films (EFI) / Vishay                              | <b>SI3451DV-T1-E3</b><br>Vishay Siliconix<br>MOSFET P-CH 20V 2.8A 6TSOP           | <b>SI3446DV-T1</b><br>Electro-Films (EFI) / Vishay                                | <b>SI3447CDV-T1-E3</b><br>Vishay Siliconix<br>MOSFET P-CH 12V 7.8A 6TSOP            | <b>SI3447DV-T1-E3</b><br>Electro-Films (EFI) / Vishay                                | <b>SI3446DV-NL</b><br>Fairchild (onsemi)   |
|  |  |  |  |  |  |
| <b>SI3452-B02-GM</b><br>Skyworks Solutions Inc.<br>IC POE CNTRL 4 CHANNEL 40QFN    | <b>SI3447DV</b><br>Fairchild Semiconductor<br>P-CHANNEL MOSFET                    | <b>SI3447DV-NL</b><br>Fairchild (onsemi)  | <b>SI3447BDV-T1-GE3</b><br>Vishay Siliconix<br>MOSFET P-CH 12V 4.5A 6TSOP           | <b>SI3446DV-T1-GE3</b><br>Electro-Films (EFI) / Vishay                               | <b>SI3447BDV-T1</b><br>Electro-Films (EFI) / Vishay                                  |

## 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 -

|  |  |   |
|--|--|---|
| <br>Efficient Supply Management | <br>Cost-Saving Procurement | <br>Fast Sourcing & Delivery |
|--|--|---|

Contact us if you have any questions.

|  |  |
|--|--|
| <br>Phone<br>+00852 9146 4856 | <br>Email<br>info@allelco.com |
|--|--|

### Certifications & Memberships



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### Contact us

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