



## SI5504BDC-T1-E3

|                          |                                 |
|--------------------------|---------------------------------|
| Manufacturer Part Number | <b>SI5504BDC-T1-E3</b>          |
| Manufacturer             | <b>Vishay / Siliconix</b>       |
| Allelco Part Number      | 32D-SI5504BDC-T1-E3             |
| ECAD Model               | PCB Symbol, Footprint & 3D Mode |
| Parts Description        | MOSFET N/P-CH 30V 4A 1206-8     |
| Package                  | 8-SMD, Flat Lead                |
| Data sheet               | <b>SI5504BDC.pdf</b>            |
| RoHs Status              | ROHS3 Compliant                 |



Get a Quote

SI5504BDC-T1-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SI5504BDC-T1-E3 datasheet/specifications on AllelcoElec.com.

Request a quote for SI5504BDC-T1-E3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SI5504BDC-T1-E3 Tech Specifications

SI5504BDC-T1-E3 - 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      | 3V @ 250µA           | Mounting Type                          | Surface Mount      |
| Technology              | MOSFET (Metal Oxide) | Input Capacitance (Ciss) (Max) @ Vds   | 220pF @ 15V        |
| Supplier Device Package | 1206-8 ChipFET™      | Gate Charge (Qg) (Max) @ Vgs           | 7nC @ 10V          |
| Series                  | TrenchFET®           | FET Feature                            | Logic Level Gate   |
| Rds On (Max) @ Id, Vgs  | 65mOhm @ 3.1A, 10V   | Drain to Source Voltage (Vdss)         | 30V                |
| Power - Max             | 3.12W, 3.1W          | Current - Continuous Drain (Id) @ 25°C | 4A, 3.7A           |
| Package / Case          | 8-SMD, Flat Lead     | Configuration                          | N and P-Channel    |
| Package                 | Tape & Reel (TR)     | Base Product Number                    | SI5504             |

### Parts with Similar Specifications

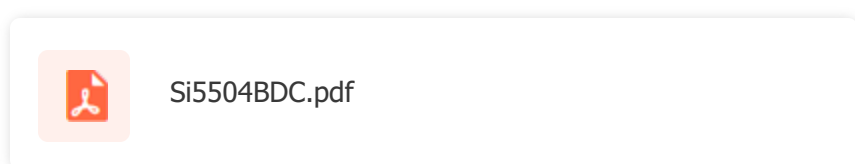
The three parts on the right have similar specifications to Vishay Siliconix SI5504BDC-T1-E3

| Product Attribute                      | NO PICTURE           |                        |                       |                       |
|--|----------------------|------------------------|-----------------------|-----------------------|
| Part Number                            | SI5504BDC-T1-E3      | <b>SI5515CDC-T1-E3</b> | <b>SI5513DC-T1-E3</b> | <b>SI5511DC-T1-E3</b> |
| Manufacturer                           | Vishay Siliconix     | Vishay Siliconix       | Vishay Siliconix      | Vishay Siliconix      |
| Package / Case                         | 8-SMD, Flat Lead     | 8-SMD, Flat Lead       | 8-SMD, Flat Lead      | 8-SMD, Flat Lead      |
| Power - Max                            | 3.12W, 3.1W          | 3.1W                   | 1.1W                  | 3.1W, 2.6W            |
| Series                                 | TrenchFET®           | TrenchFET®             | TrenchFET®            | TrenchFET®            |
| Operating Temperature                  | -55°C ~ 150°C (TJ)   | -55°C ~ 150°C (TJ)     | -55°C ~ 150°C (TJ)    | -55°C ~ 150°C (TJ)    |
| Mounting Type                          | Surface Mount        | Surface Mount          | Surface Mount         | Surface Mount         |
| Gate Charge (Qg) (Max) @ Vgs           | 7nC @ 10V            | 11.3nC @ 5V            | 6nC @ 4.5V            | 7.1nC @ 5V            |
| Drain to Source Voltage (Vdss)         | 30V                  | 20V                    | 20V                   | 30V                   |
| Technology                             | MOSFET (Metal Oxide) | MOSFET (Metal Oxide)   | MOSFET (Metal Oxide)  | MOSFET (Metal Oxide)  |
| Input Capacitance (Ciss) (Max) @ Vds   | 220pF @ 15V          | 632pF @ 10V            | -                     | 435pF @ 15V           |
| Current - Continuous Drain (Id) @ 25°C | 4A, 3.7A             | 4A (Tc)                | 3.1A, 2.1A            | 4A, 3.6A              |
| Rds On (Max) @ Id, Vgs                 | 65mOhm @ 3.1A, 10V   | 36mOhm @ 6A, 4.5V      | 75mOhm @ 3.1A, 4.5V   | 55mOhm @ 4.8A, 4.5V   |
| Supplier Device Package                | 1206-8 ChipFET™      | 1206-8 ChipFET™        | 1206-8 ChipFET™       | 1206-8 ChipFET™       |
| Configuration                          | N and P-Channel      | N and P-Channel        | N and P-Channel       | N and P-Channel       |
| FET Feature                            | Logic Level Gate     | Logic Level Gate       | Logic Level Gate      | Logic Level Gate      |
| Vgs(th) (Max) @ Id                     | 3V @ 250µA           | 800mV @ 250µA          | 1.5V @ 250µA          | 2V @ 250µA            |
| Package                                | Tape & Reel (TR)     | Tape & Reel (TR)       | Tape & Reel (TR)      | Tape & Reel (TR)      |
| Base Product Number                    | SI5504               | SI5515                 | SI5513                | SI5511                |

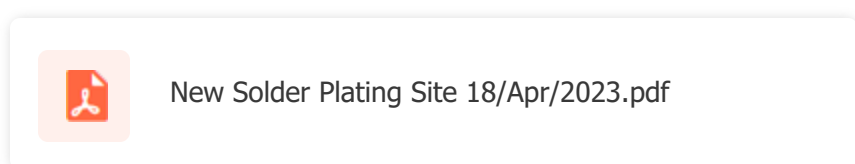
### SI5504BDC-T1-E3 Datasheet PDF

Download SI5504BDC-T1-E3 pdf datasheets and Vishay Siliconix documentation for SI5504BDC-T1-E3 - Vishay Siliconix.

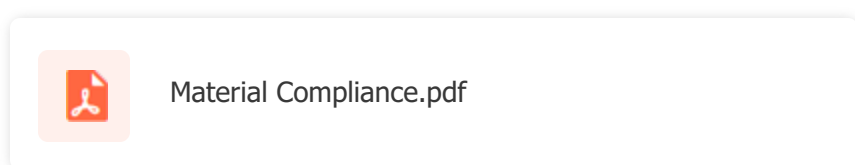
#### Datasheets



#### PCN Assembly/Origin



#### Environmental Information



#### PCN Obsolescence/ EOL



## Customers Also Interested in

### Recommended Products

**SI5480DU**

Electro-Films (EFI) / Vishay

**SI5476DU-T1-GE3**Vishay Siliconix  
MOSFET N-CH 60V 12A CHIPFET**SI5486DU-T1-E3**Vishay Siliconix  
MOSFET N-CH 20V 12A CHIPFET**SI5515CDC-T1-E3**Vishay Siliconix  
MOSFET N/P-CH 20V 4A 1206-8**SI5513DC-T1-E3**Vishay Siliconix  
MOSFET N/P-CH 20V 3.1A 1206-8**SI5484DU-T1-GE3**Vishay Siliconix  
MOSFET N-CH 20V 12A PPAK**SI5504DC-E3**

Electro-Films (EFI) / Vishay

**SI5511DC-T1-E3**Vishay Siliconix  
MOSFET N/P-CH 30V 4A 1206-8**SI5486DU-T1-GE3**Vishay Siliconix  
MOSFET N-CH 20V 12A CHIPFET**SI5509DC-T1-E3**Vishay Siliconix  
MOSFET N/P-CH 20V 6.1A 1206-8**SI5504BDC-T1-GE3**Vishay Siliconix  
MOSFET N/P-CH 30V 4A 1206-8**SI5480DU-T1-GE3**Vishay Siliconix  
MOSFET N-CH 30V 12A PPAK**SI5480DU-T1**

Electro-Films (EFI) / Vishay

**SI5480DU-T1-E3**Vishay Siliconix  
MOSFET N-CH 30V 12A PPAK**SI5475DDC-T1-GE3 MOS**

Electro-Films (EFI) / Vishay

**SI5513CDC-T1-GE3**Vishay Siliconix  
MOSFET N/P-CH 20V 4A 1206-8**SI5480DU-T1-GE3**

Electro-Films (EFI) / Vishay

**SI5504DC-T1-E3**Vishay Siliconix  
MOSFET N/P-CH 30V 2.9A 1206-8

## 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



[View More](#)