



# BSC014NE2LSIATMA1

|                          |                                |
|--------------------------|--------------------------------|
| Manufacturer Part Number | <b>BSC014NE2LSIATMA1</b>       |
| Manufacturer             | <b>Infineon Technologies</b>   |
| Allelco Part Number      | 32D-BSC014NE2LSIATMA1          |
| ECAD Model               | Request Free CAD Models        |
| Parts Description        | MOSFET N-CH 25V 33A/100A TDSON |
| Package                  | 8-PowerTDFN                    |
| Data sheet               | BSC014NE2LSIATMA1.pdf          |
| RoHs Status              | ROHS3 Compliant                |



**Get a Quote**

BSC014NE2LSIATMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology BSC014NE2LSIATMA1 datasheet/specifications on AllelcoElec.com.  
Request a quote for BSC014NE2LSIATMA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

BSC014NE2LSIATMA1 Tech Specifications  
BSC014NE2LSIATMA1 - Infineon Technologies technical specifications, attributes, parameters

| Product Attribute       | Attribute Value       | Product Attribute                      | Attribute Value     |
|-------------------------|-----------------------|--|---------------------|
| Manufacturer            | Infineon Technologies | Operating Temperature                  | -55°C ~ 150°C (TJ)  |
| Vgs(th) (Max) @ Id      | 2V @ 250µA            | Mounting Type                          | Surface Mount       |
| Vgs (Max)               | ±20V                  | Input Capacitance (Ciss) (Max) @ Vds   | 2700 pF @ 12 V      |
| Technology              | MOSFET (Metal Oxide)  | Gate Charge (Qg) (Max) @ Vgs           | 39 nC @ 10 V        |
| Supplier Device Package | PG-TDSON-8-7          | FET Type                               | N-Channel           |
| Series                  | OptiMOS™              | FET Feature                            | -                   |
| Rds On (Max) @ Id, Vgs  | 1.4mOhm @ 30A, 10V    | Drive Voltage (Max Rds On, Min Rds On) | 4.5V, 10V           |
| Power Dissipation (Max) | 2.5W (Ta), 74W (Tc)   | Drain to Source Voltage (Vdss)         | 25 V                |
| Package / Case          | 8-PowerTDFN           | Current - Continuous Drain (Id) @ 25°C | 33A (Ta), 100A (Tc) |
| Package                 | Tape & Reel (TR)      | Base Product Number                    | BSC014              |

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies BSC014NE2LSIATMA1

| Product Attribute                      | NO PICTURE            |                       |                       |                       |
|--|-----------------------|-----------------------|-----------------------|-----------------------|
| Part Number                            | BSC014NE2LSIATMA1     | BSC014N06NSATMA1      | BSC016N03MSG          | BSC015NE2LSIATMA1     |
| Manufacturer                           | Infineon Technologies | Infineon Technologies | Infineon Technologies | Infineon Technologies |
| Mounting Type                          | Surface Mount         | Surface Mount         | -                     | Surface Mount         |
| Input Capacitance (Ciss) (Max) @ Vds   | 2700 pF @ 12 V        | 6500 pF @ 30 V        | -                     | 2000 pF @ 12 V        |
| Power Dissipation (Max)                | 2.5W (Ta), 74W (Tc)   | 2.5W (Ta), 156W (Tc)  | -                     | 2.5W (Ta), 50W (Tc)   |
| Series                                 | OptiMOS™              | OptiMOS™              | -                     | OptiMOS™              |
| Base Product Number                    | BSC014                | BSC014                | -                     | BSC015                |
| FET Feature                            | -                     | -                     | -                     | -                     |
| Technology                             | MOSFET (Metal Oxide)  | MOSFET (Metal Oxide)  | -                     | MOSFET (Metal Oxide)  |
| Current - Continuous Drain (Id) @ 25°C | 33A (Ta), 100A (Tc)   | 30A (Ta), 100A (Tc)   | -                     | 33A (Ta), 100A (Tc)   |
| Supplier Device Package                | PG-TDSON-8-7          | PG-TDSON-8-17         | -                     | PG-TDSON-8-6          |
| Operating Temperature                  | -55°C ~ 150°C (TJ)    | -55°C ~ 150°C (TJ)    | -                     | -55°C ~ 150°C (TJ)    |
| Rds On (Max) @ Id, Vgs                 | 1.4mOhm @ 30A, 10V    | 1.45mOhm @ 50A, 10V   | -                     | 1.5mOhm @ 30A, 10V    |
| FET Type                               | N-Channel             | N-Channel             | -                     | N-Channel             |
| Package                                | Tape & Reel (TR)      | Tape & Reel (TR)      | -                     | Tape & Reel (TR)      |
| Gate Charge (Qg) (Max) @ Vgs           | 39 nC @ 10 V          | 89 nC @ 10 V          | -                     | 30 nC @ 10 V          |
| Vgs (Max)                              | ±20V                  | ±20V                  | -                     | ±16V                  |
| Package / Case                         | 8-PowerTDFN           | 8-PowerTDFN           | -                     | 8-PowerTDFN           |
| Vgs(th) (Max) @ Id                     | 2V @ 250µA            | 2.8V @ 120µA          | -                     | 2V @ 250µA            |
| Drive Voltage (Max Rds On, Min Rds On) | 4.5V, 10V             | 6V, 10V               | -                     | 4.5V, 10V             |
| Drain to Source Voltage (Vdss)         | 25 V                  | 60 V                  | -                     | 25 V                  |

## BSC014NE2LSIATMA1 Datasheet PDF

Download BSC014NE2LSIATMA1 pdf datasheets and Infineon Technologies documentation for BSC014NE2LSIATMA1 - Infineon Technologies.

### Other Related Documents

Part Number Guide.pdf

### PCN Packaging

Mult Dev Pkg Box Chg 3/Jan/2018.pdf



















Mult Dev Reel Design Chg 2/Dec/2019.pdf

### PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

|  |  |   |  |   |   |
|--|--|---|--|---|---|
|       |     |    |    |      |    |
| <b>BSC014N06NSATMA1</b><br>Infineon Technologies<br>MOSFET N-CH 60V 30A/100A<br>TDS0N7 | <b>BSC014NE2LSI</b><br>Cypress Semiconductor<br>(Infineon Technologies)              | <b>BSC016N04LSG</b><br>Cypress Semiconductor<br>(Infineon Technologies)             | <b>BSC014N04LS</b><br>Cypress Semiconductor<br>(Infineon Technologies)               | <b>BSC016N03MSG</b><br>Infineon Technologies<br>BSC016N03 - 12V-300V N-CHANNEL<br>P     | <b>BSC014N04LSI</b><br>Cypress Semiconductor<br>(Infineon Technologies)               |
|       |     |    |    |      |    |
| <b>BSC014N06NS</b><br>Cypress Semiconductor<br>(Infineon Technologies)                 | <b>BSC016N03MS</b><br>Cypress Semiconductor<br>(Infineon Technologies)               | <b>BSC014N06NS MOS</b><br>Cypress Semiconductor<br>(Infineon Technologies)          | <b>BSC014N03MS</b><br>Cypress Semiconductor<br>(Infineon Technologies)               | <b>BSC014NE2LSIXT</b><br>Cypress Semiconductor<br>(Infineon Technologies)               | <b>BSC016N03LS</b><br>Cypress Semiconductor<br>(Infineon Technologies)                |
|     |   |  |  |    |  |
| <b>BSC014N03MSG</b><br>Cypress Semiconductor<br>(Infineon Technologies)                | <b>BSC015NE2LS5IATMA1</b><br>Infineon Technologies<br>MOSFET N-CH 25V 33A/100A TDS0N | <b>BSC016N03LSG MOS</b><br>Cypress Semiconductor<br>(Infineon Technologies)         | <b>BSC016N03LSG</b><br>Infineon Technologies<br>BSC016N03 - 12V-300V N-CHANNEL<br>P  | <b>BSC014N04LSATMA1</b><br>Infineon Technologies<br>MOSFET N-CH 40V 32/100A<br>SUPERS08 | <b>BSC014N04LSIATMA1</b><br>Infineon Technologies<br>MOSFET N-CH 40V 31A/100A TDS0N   |

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 Alleco 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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