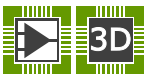





NTMFS5C646NLT1G

| | |
|--------------------------|---|
| Manufacturer Part Number | NTMFS5C646NLT1G |
| Manufacturer | onsemi |
| Allelco Part Number | 32D-NTMFS5C646NLT1G |
| ECAD Model |  PCB Symbol, Footprint & 3D Mode |
| Parts Description | MOSFET N-CH 60V 19A 5DFN |
| Package | 8-PowerTDFN, 5 Leads |
| Data sheet | NTMFS5C646NL.pdf |
| RoHs Status |  ROHS3 Compliant |



Get a Quote

NTMFS5C646NLT1G - onsemi.New Original in Stock. Download Linear Technology NTMFS5C646NLT1G datasheet/specifications on AllelcoElec.com.

Request a quote for NTMFS5C646NLT1G, please send us email: info@allelco.com

Specifications





NTMFS5C646NLT1G Tech Specifications

NTMFS5C646NLT1G - onsemi technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-------------------------|----------------------|--|--------------------|
| Manufacturer | onsemi | Operating Temperature | -55°C ~ 175°C (TJ) |
| Vgs(th) (Max) @ Id | 2V @ 250µA | Mounting Type | Surface Mount |
| Vgs (Max) | ±20V | Input Capacitance (Ciss) (Max) @ Vds | 2164 pF @ 25 V |
| Technology | MOSFET (Metal Oxide) | Gate Charge (Qg) (Max) @ Vgs | 33.7 nC @ 10 V |
| Supplier Device Package | 5-DFN (5x6) (8-SOFL) | FET Type | N-Channel |
| Series | - | FET Feature | - |
| Rds On (Max) @ Id, Vgs | 4.7mOhm @ 50A, 10V | Drive Voltage (Max Rds On, Min Rds On) | 4.5V, 10V |
| Power Dissipation (Max) | 3.7W (Ta), 79W (Tc) | Drain to Source Voltage (Vdss) | 60 V |
| Package / Case | 8-PowerTDFN, 5 Leads | Current - Continuous Drain (Id) @ 25°C | 19A (Ta) |
| Package | Tape & Reel (TR) | Base Product Number | NTMFS5 |

Parts with Similar Specifications

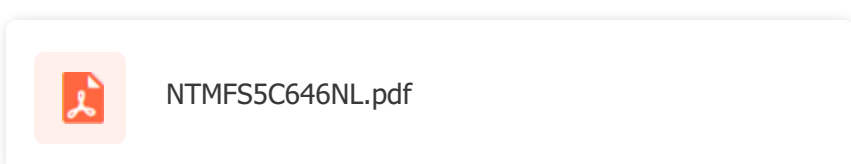
The three parts on the right have similar specifications to onsemi NTMFS5C646NLT1G

| Product Attribute |  NO PICTURE |  |  |  |
|--|--|---|---|---|
| Part Number | NTMFS5C646NLT1G | NTMFS5C468NLT1G | NTMFS5C682NLT1G | NTMFS5H400NLT1G |
| Manufacturer | onsemi | onsemi | onsemi | onsemi |
| Gate Charge (Qg) (Max) @ Vgs | 33.7 nC @ 10 V | 7.3 nC @ 10 V | 5 nC @ 10 V | 120 nC @ 10 V |
| Base Product Number | NTMFS5 | NTMFS5 | NTMFS5 | NTMFS5 |
| Vgs (Max) | ±20V | ±20V | ±20V | ±20V |
| Power Dissipation (Max) | 3.7W (Ta), 79W (Tc) | 3.5W (Ta), 28W (Tc) | 28W (Tc) | 3.3W (Ta), 160W (Tc) |
| Package | Tape & Reel (TR) | Tape & Reel (TR) | Tape & Reel (TR) | Tape & Reel (TR) |
| Drain to Source Voltage (Vdss) | 60 V | 40 V | 60 V | 40 V |
| Vgs(th) (Max) @ Id | 2V @ 250µA | 2V @ 250µA | 2V @ 16µA | 2V @ 250µA |
| FET Type | N-Channel | N-Channel | N-Channel | N-Channel |
| Drive Voltage (Max Rds On, Min Rds On) | 4.5V, 10V | 4.5V, 10V | 4.5V, 10V | 4.5V, 10V |
| Package / Case | 8-PowerTDFN, 5 Leads | 8-PowerTDFN, 5 Leads | 8-PowerTDFN, 5 Leads | 8-PowerTDFN, 5 Leads |
| Current - Continuous Drain (Id) @ 25°C | 19A (Ta) | 37A (Tc) | 25A (Tc) | 46A (Ta), 330A (Tc) |
| Operating Temperature | -55°C ~ 175°C (TJ) | -55°C ~ 175°C (TJ) | -55°C ~ 175°C (TJ) | -55°C ~ 150°C (TJ) |
| Technology | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| FET Feature | - | - | - | - |
| Rds On (Max) @ Id, Vgs | 4.7mOhm @ 50A, 10V | 10.3mOhm @ 20A, 10V | 21mOhm @ 10A, 10V | 0.8mOhm @ 50A, 10V |
| Supplier Device Package | 5-DFN (5x6) (8-SOFL) | 5-DFN (5x6) (8-SOFL) | 5-DFN (5x6) (8-SOFL) | 5-DFN (5x6) (8-SOFL) |
| Series | - | - | - | - |
| Input Capacitance (Ciss) (Max) @ Vds | 2164 pF @ 25 V | 570 pF @ 20 V | 410 pF @ 25 V | 7700 pF @ 20 V |

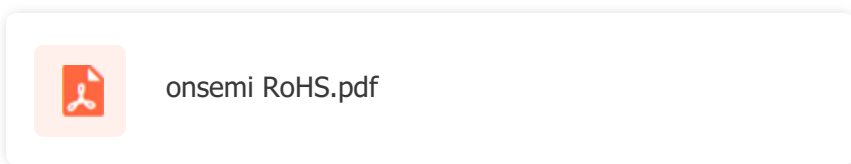
NTMFS5C646NLT1G Datasheet PDF

Download NTMFS5C646NLT1G pdf datasheets and onsemi documentation for NTMFS5C646NLT1G - onsemi.

Datasheets



Environmental Information


















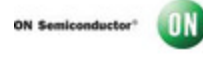


PCN Assembly/Origin



PCN Design/Specification

Customers Also Interested in

Recommended Products

| | | | | | |
|---|--|--|---|--|--|
|  NTMF55C468NLT1G onsemi MOSFET N-CH 40V 5DFN |  NTMF55C682NLT1G onsemi MOSFET N-CH 60V 25A 5DFN |  NTMF55H400NLT1G onsemi MOSFET N-CH 40V 46A/330A 5DFN |  NTMF55C670NLT1G onsemi MOSFET N-CH 60V 17A/71A 5DFN |  NTMF55H409NLT1G onsemi MOSFET N-CH 40V 41A/270A 5DFN |  NTMF56B03NT1G onsemi MOSFET N-CH 100V 19A/132A 5DFN |
|  NTMF56B03NT3G onsemi MOSFET N-CH 100V 19A/132A 5DFN |  NTMF55C604NLT1G onsemi MOSFET N-CH 60V 38A 5DFN |  NTMF56B05NT1G onsemi MOSFET N-CH 100V 16A/104A 5DFN |  NTMF55C612NLT1G onsemi MOSFET N-CH 60V 36A/235A 5DFN |  NTMF55C673NLT1G onsemi MOSFET N-CH 60V 5DFN |  NTMF55C468NLT3G onsemi MOSFET N-CH 40V 5DFN |
|  NTMF55C628NLT1G-01 AMI Semiconductor/onsemi |  NTMF55C645NLT1G onsemi MOSFET N-CH 60V 22A/100A 5DFN |  NTMF55H414NLT1G onsemi MOSFET N-CH 40V 35A/210A 5DFN |  NTMF55C628NLT1G onsemi MOSFET N-CH 60V 5DFN |  NTMF55C604NT1G AMI Semiconductor/onsemi |  NTMF55H600NLT1G onsemi MOSFET N-CH 60V 35A/250A 5DFN |

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

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com