

Image may be representation.
See specifications for product details.



FDS89161LZ

| | |
|--------------------------|----------------------------------|
| Manufacturer Part Number | FDS89161LZ |
| Manufacturer | onsemi |
| Allelco Part Number | 32D-FDS89161LZ |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | MOSFET 2N-CH 100V 2.7A 8SOIC |
| Package | 8-SOIC (0.154", 3.90mm Width) |
| Data sheet | FDS89161LZ.pdf |
| RoHs Status | ROHS3 Compliant |

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FDS89161LZ - onsemi.New Original in Stock. Download Linear Technology FDS89161LZ datasheet/specifications on AllelcoElec.com.
Request a quote for FDS89161LZ, please send us email: info@allelco.com

Specifications

FDS89161LZ Tech Specifications

FDS89161LZ - onsemi technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-------------------------|-------------------------------|--|--------------------|
| Manufacturer | onsemi | Operating Temperature | -55°C ~ 150°C (TJ) |
| Vgs(th) (Max) @ Id | 2.2V @ 250µA | Mounting Type | Surface Mount |
| Technology | MOSFET (Metal Oxide) | Input Capacitance (Ciss) (Max) @ Vds | 302pF @ 50V |
| Supplier Device Package | 8-SOIC | Gate Charge (Qg) (Max) @ Vgs | 5.3nC @ 10V |
| Series | PowerTrench® | FET Feature | - |
| Rds On (Max) @ Id, Vgs | 105mOhm @ 2.7A, 10V | Drain to Source Voltage (Vdss) | 100V |
| Power - Max | 1.6W | Current - Continuous Drain (Id) @ 25°C | 2.7A |
| Package / Case | 8-SOIC (0.154", 3.90mm Width) | Configuration | 2 N-Channel (Dual) |
| Package | Tape & Reel (TR) | Base Product Number | FDS89 |

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDS89161LZ

| Product Attribute | | | | |
|--|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Part Number | FDS89161LZ | FDS89161 | FDS8928A | FDS89161 |
| Manufacturer | onsemi | onsemi | onsemi | Fairchild Semiconductor |
| Series | PowerTrench® | PowerTrench® | - | PowerTrench® |
| FET Feature | - | - | Logic Level Gate | - |
| Package | Tape & Reel (TR) | Tape & Reel (TR) | Tape & Reel (TR) | Bulk |
| Input Capacitance (Ciss) (Max) @ Vds | 302pF @ 50V | 210pF @ 50V | 900pF @ 10V | 210pF @ 50V |
| Current - Continuous Drain (Id) @ 25°C | 2.7A | 2.7A | 5.5A, 4A | 2.7A |
| Configuration | 2 N-Channel (Dual) | 2 N-Channel (Dual) | N and P-Channel | 2 N-Channel (Dual) |
| Supplier Device Package | 8-SOIC | 8-SOIC | 8-SOIC | 8-SOIC |
| Package / Case | 8-SOIC (0.154", 3.90mm Width) | 8-SOIC (0.154", 3.90mm Width) | 8-SOIC (0.154", 3.90mm Width) | 8-SOIC (0.154", 3.90mm Width) |
| Operating Temperature | -55°C ~ 150°C (TJ) | -55°C ~ 150°C (TJ) | -55°C ~ 150°C (TJ) | -55°C ~ 150°C (TJ) |
| Gate Charge (Qg) (Max) @ Vgs | 5.3nC @ 10V | 4.1nC @ 10V | 28nC @ 4.5V | 4.1nC @ 10V |
| Base Product Number | FDS89 | FDS89 | FDS89 | FDS89 |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Vgs(th) (Max) @ Id | 2.2V @ 250µA | 4V @ 250µA | 1V @ 250µA | 4V @ 250µA |
| Technology | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) |
| Drain to Source Voltage (Vdss) | 100V | 100V | 30V, 20V | 100V |
| Power - Max | 1.6W | 1.6W | 900mW | 1.6W |
| Rds On (Max) @ Id, Vgs | 105mOhm @ 2.7A, 10V | 105mOhm @ 2.7A, 10V | 30mOhm @ 5.5A, 4.5V | 105mOhm @ 2.7A, 10V |

FDS89161LZ Datasheet PDF

Download FDS89161LZ pdf datasheets and onsemi documentation for FDS89161LZ - onsemi.

Datasheets

[FDS89161LZ.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)















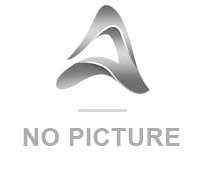



PCN Design/Specification

[Logo 17/Aug/2017.pdf](#)

PCN Packaging

Customers Also Interested in

Recommended Products

| | | | | | |
|--|--|---|---|--|--|
|  FDS8926A-NL Fairchild (onsemi) |  FDS8896_NL Fairchild (onsemi) |  FDS8896_NL MOS Fairchild (onsemi) |  FDS8896AS Fairchild (onsemi) |  FDS89161 onsemi MOSFET 2N-CH 100V 2.7A 8SOIC |  FDS89161 MOS Fairchild (onsemi) |
|  FDS8926-NL Fairchild (onsemi) |  FDS8926A MOS Fairchild (onsemi) |  FDS8928A onsemi MOSFET N/P-CH 30V/20V 8SOIC |  FDS8896_NL Fairchild (onsemi) |  FDS89161LZ Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 2 |  FDS89161 Fairchild Semiconductor SMALL SIGNAL FIELD-EFFECT TRANSI |
|  FDS8926 Fairchild Semiconductor MOSFET 2N-CH 30V 5.5A 8-SO |  FDS89141 onsemi MOSFET 2N-CH 100V 3.5A 8SOIC |  FDS89141 MOS FDS |  FDS8926A onsemi MOSFET 2N-CH 30V 5.5A 8-SO |  FDS89161LZ MOS AMI Semiconductor/onsemi |  FDS8926A Fairchild Semiconductor N-CHANNEL POWER MOSFET |

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.

| | |
|---|---|
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|---|---|

Certifications & Memberships



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