

Image may be representation.
See specifications for product details.



STP28N60M2

| | |
|--------------------------|----------------------------------|
| Manufacturer Part Number | STP28N60M2 |
| Manufacturer | STMicroelectronics |
| Allelco Part Number | 32D-STP28N60M2 |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | MOSFET N-CH 600V 24A TO220 |
| Package | TO-220-3 |
| Data sheet | STx28N60M2 Datasheet.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

STP28N60M2 - STMicroelectronics.New Original in Stock. Download Linear Technology STP28N60M2 datasheet/specifications on AllelcoElec.com.
Request a quote for STP28N60M2, please send us email: info@allelco.com

Specifications

STP28N60M2 Tech Specifications

STP28N60M2 - STMicroelectronics technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-------------------------|----------------------|--|--------------------|
| Manufacturer | STMicroelectronics | Operating Temperature | -55°C ~ 150°C (TJ) |
| Vgs(th) (Max) @ Id | 4V @ 250µA | Mounting Type | Through Hole |
| Vgs (Max) | ±25V | Input Capacitance (Ciss) (Max) @ Vds | 1370 pF @ 100 V |
| Technology | MOSFET (Metal Oxide) | Gate Charge (Qg) (Max) @ Vgs | 37 nC @ 10 V |
| Supplier Device Package | TO-220 | FET Type | N-Channel |
| Series | MDmesh™ II Plus | FET Feature | - |
| Rds On (Max) @ Id, Vgs | 150mOhm @ 12A, 10V | Drive Voltage (Max Rds On, Min Rds On) | 10V |
| Power Dissipation (Max) | 170W (Tc) | Drain to Source Voltage (Vdss) | 600 V |
| Package / Case | TO-220-3 | Current - Continuous Drain (Id) @ 25°C | 24A (Tc) |
| Package | Tube | Base Product Number | STP28 |

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STP28N60M2

| Product Attribute | | | | |
|--|----------------------|----------------------|----------------------|----------------------|
| Part Number | STP28N60M2 | STP28NM60ND | STP270N4F3 | STP27N3LH5 |
| Manufacturer | STMicroelectronics | STMicroelectronics | STMicroelectronics | STMicroelectronics |
| Operating Temperature | -55°C ~ 150°C (TJ) | 150°C (TJ) | -55°C ~ 175°C (TJ) | -55°C ~ 175°C (TJ) |
| Input Capacitance (Ciss) (Max) @ Vds | 1370 pF @ 100 V | 2090 pF @ 100 V | 7400 pF @ 25 V | 475 pF @ 25 V |
| Technology | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) |
| FET Type | N-Channel | N-Channel | N-Channel | N-Channel |
| Drain to Source Voltage (Vdss) | 600 V | 600 V | 40 V | 30 V |
| Power Dissipation (Max) | 170W (Tc) | 190W (Tc) | 330W (Tc) | 45W (Tc) |
| FET Feature | - | - | - | - |
| Supplier Device Package | TO-220 | TO-220 | TO-220 | TO-220 |
| Package | Tube | Tube | Tube | Tube |
| Vgs (Max) | ±25V | ±25V | ±20V | ±22V |
| Rds On (Max) @ Id, Vgs | 150mOhm @ 12A, 10V | 150mOhm @ 11.5A, 10V | 2.9mOhm @ 80A, 10V | 20mOhm @ 13.5A, 10V |
| Package / Case | TO-220-3 | TO-220-3 | TO-220-3 | TO-220-3 |
| Drive Voltage (Max Rds On, Min Rds On) | 10V | 10V | 10V | 4.5V, 10V |
| Mounting Type | Through Hole | Through Hole | Through Hole | Through Hole |
| Base Product Number | STP28 | STP28 | STP270 | STP27N |
| Current - Continuous Drain (Id) @ 25°C | 24A (Tc) | 23A (Tc) | 120A (Tc) | 27A (Tc) |
| Series | MDmesh™ II Plus | FDmesh™ II | STripFET™ III | STripFET™ V |
| Vgs(th) (Max) @ Id | 4V @ 250µA | 5V @ 250µA | 4V @ 250µA | 2.5V @ 250µA |
| Gate Charge (Qg) (Max) @ Vgs | 37 nC @ 10 V | 62.5 nC @ 10 V | 150 nC @ 10 V | 4.6 nC @ 5 V |

STP28N60M2 Datasheet PDF

Download STP28N60M2 pdf datasheets and STMicroelectronics documentation for STP28N60M2 - STMicroelectronics.

Datasheets

STx28N60M2 Datasheet.pdf

PCN Design/Specification












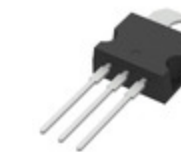






Mult Dev Adv Material Notice 8/Apr/2019.pdf

PCN Assembly/Origin



Customers Also Interested in

Recommended Products

| | | | | | |
|--|--|--|---|--|--|
|  |  |  |  |  |  |
| STP28NM60ND STMicroelectronics MOSFET N-CH 600V 23A TO220 | STP270N4F3 STMicroelectronics MOSFET N-CH 40V 120A TO220-3 | STP27N3LH5 STMicroelectronics MOSFET N-CH 30V 27A TO220AB | STP2711LF RAKON | STP28NM50N STMicroelectronics MOSFET N-CH 500V 21A TO220AB | STP28N60DM2 STMicroelectronics MOSFET N-CH 600V 21A TO220 |
|  |  |  |  |  |  |
| STP28NM50N MOS STMicroelectronics | STP28N60M2 MOS STMicroelectronics | STP2N105K5 STMicroelectronics MOSFET N-CH 1050V 1.5A TO220 | STP270N8F7 STMicroelectronics MOSFET N CH 80V 180A TO220 | STP2981A-LF-30.7200 RAKON | STP28N65M2 STMicroelectronics MOSFET N-CH 650V 20A TO220 |
|  |  |  |  |  |  |
| STP270N8F7 MOS STMicroelectronics | STP2N62K3 STMicroelectronics MOSFET N-CH 620V 2.2A TO220 | STP270N8F7W STMicroelectronics MOSFET N CH 80V 180A TO-220AB | STP2981A-LF RAKON | STP27N60M2-EP STMicroelectronics MOSFET N-CH 600V 20A TO220 | STP2945 LF Samsung Semiconductor |

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.



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