



IPD060N03LG

| | |
|--------------------------|---------------------------------------|
| Manufacturer Part Number | IPD060N03LG |
| Manufacturer | Infineon Technologies |
| Allelco Part Number | 32D-IPD060N03LG |
| ECAD Model | Request Free CAD Models |
| Parts Description | OPTLMOS N-CHANNEL POWER MOSFET |
| Package | TO-252-3, DPak (2 Leads + Tab), SC-63 |
| Data sheet | IPD060N03LG.pdf |



Get a Quote

IPD060N03LG - Infineon Technologies. New Original in Stock. Download Linear Technology IPD060N03LG datasheet/specifications on AllelcoElec.com.
Request a quote for IPD060N03LG, please send us email: info@allelco.com

Specifications

IPD060N03LG Tech Specifications

IPD060N03LG - Infineon Technologies technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-------------------------|---------------------------------------|--|--------------------|
| Manufacturer | Infineon Technologies | Operating Temperature | -55°C ~ 175°C (TJ) |
| Vgs(th) (Max) @ Id | 2.2V @ 250µA | Mounting Type | Surface Mount |
| Vgs (Max) | ±20V | Input Capacitance (Ciss) (Max) @ Vds | 2300 pF @ 15 V |
| Technology | MOSFET (Metal Oxide) | Gate Charge (Qg) (Max) @ Vgs | 30 nC @ 10 V |
| Supplier Device Package | PG-TO252-3-11 | FET Type | N-Channel |
| Series | OptiMOS™3 | FET Feature | - |
| Rds On (Max) @ Id, Vgs | 6mOhm @ 30A, 10V | Drive Voltage (Max Rds On, Min Rds On) | 4.5V, 10V |
| Power Dissipation (Max) | 56W (Tc) | Drain to Source Voltage (Vdss) | 30 V |
| Package / Case | TO-252-3, DPak (2 Leads + Tab), SC-63 | Current - Continuous Drain (Id) @ 25°C | 50A (Tc) |
| Package | Bulk | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPD060N03LG

| Product Attribute | | | | |
|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Part Number | IPD060N03LG | IPD053N08N3GATMA1 | IPD060N03LGATMA1 | IPD068N10N3GATMA1 |
| Manufacturer | Infineon Technologies | Infineon Technologies | Infineon Technologies | Infineon Technologies |
| Drive Voltage (Max Rds On, Min Rds On) | 4.5V, 10V | 6V, 10V | 4.5V, 10V | 6V, 10V |
| FET Type | N-Channel | N-Channel | N-Channel | N-Channel |
| Series | OptiMOS™3 | OptiMOS™ | OptiMOS™ | OptiMOS™ |
| Supplier Device Package | PG-TO252-3-11 | PG-TO252-3 | PG-TO252-3 | PG-TO252-3 |
| Package | Bulk | Tape & Reel (TR) | Tape & Reel (TR) | Tape & Reel (TR) |
| Vgs (Max) | ±20V | ±20V | ±20V | ±20V |
| Gate Charge (Qg) (Max) @ Vgs | 30 nC @ 10 V | 69 nC @ 10 V | 23 nC @ 10 V | 68 nC @ 10 V |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Rds On (Max) @ Id, Vgs | 6mOhm @ 30A, 10V | 5.3mOhm @ 90A, 10V | 6mOhm @ 30A, 10V | 6.8mOhm @ 90A, 10V |
| Technology | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) |
| Package / Case | TO-252-3, DPak (2 Leads + Tab), SC-63 | TO-252-3, DPak (2 Leads + Tab), SC-63 | TO-252-3, DPak (2 Leads + Tab), SC-63 | TO-252-3, DPak (2 Leads + Tab), SC-63 |
| Input Capacitance (Ciss) (Max) @ Vds | 2300 pF @ 15 V | 4750 pF @ 40 V | 2400 pF @ 15 V | 4910 pF @ 50 V |
| FET Feature | - | - | - | - |
| Operating Temperature | -55°C ~ 175°C (TJ) | -55°C ~ 175°C (TJ) | -55°C ~ 175°C (TJ) | -55°C ~ 175°C (TJ) |
| Vgs(th) (Max) @ Id | 2.2V @ 250µA | 3.5V @ 90µA | 2.2V @ 250µA | 3.5V @ 90µA |
| Current - Continuous Drain (Id) @ 25°C | 50A (Tc) | 90A (Tc) | 50A (Tc) | 90A (Tc) |
| Power Dissipation (Max) | 56W (Tc) | 150W (Tc) | 56W (Tc) | 150W (Tc) |
| Drain to Source Voltage (Vdss) | 30 V | 80 V | 30 V | 100 V |

Customers Also Interested in

Recommended Products



IPD05N03LB
Cypress Semiconductor
(Infineon Technologies)



IPD05N03LAG
Cypress Semiconductor
(Infineon Technologies)



IPD053N08N3GATMA1
Infineon Technologies
MOSFET N-CH 80V 90A TO252-3



IPD060N03LGATMA1
Infineon Technologies
MOSFET N-CH 30V 50A TO252-3




IPD05N03LG
Cypress Semiconductor
(Infineon Technologies)



IPD060N03LG 060N03L
Cypress Semiconductor
(Infineon Technologies)



| | | | | | |
|---|---|---|--|---|---|
| IPD053N08N3G MOS Cypress Semiconductor (Infineon Technologies) | IPD060N03L INF | IPD05N03LA MOS Cypress Semiconductor (Infineon Technologies) | IPD068N10N3G Cypress Semiconductor (Infineon Technologies) | IPD068N10N3GATMA1 Infineon Technologies MOSFET N-CH 100V 90A TO252-3 | IPD060N03LG MOS Cypress Semiconductor (Infineon Technologies) |
|  |  |  |  |  |  |
| IPD068P03L3G Cypress Semiconductor (Infineon Technologies) | IPD05N03LA Cypress Semiconductor (Infineon Technologies) | IPD05N03LBG Cypress Semiconductor (Infineon Technologies) | IPD060N03L MOS Cypress Semiconductor (Infineon Technologies) | IPD068P03L3G MOS Cypress Semiconductor (Infineon Technologies) | IPD068N10N3G MOS Cypress Semiconductor (Infineon Technologies) |

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



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