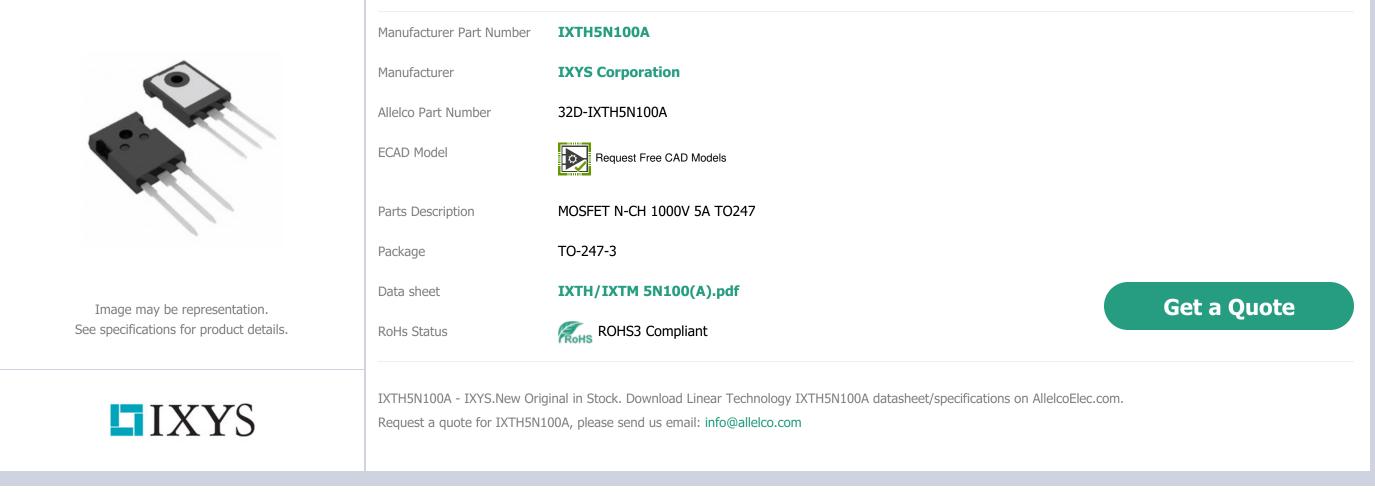


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IXTH5N100A



Specifications

IXTH5N100A Tech Specifications IXTH5N100A - IXYS technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-------------------------|----------------------|--|--------------------|
| Manufacturer | IXYS Corporation | Operating Temperature | -55°C ~ 150°C (TJ) |
| Vgs(th) (Max) @ Id | 4.5V @ 250µA | Mounting Type | Through Hole |
| Vgs (Max) | ±20V | Input Capacitance (Ciss) (Max) @ Vds | 2600 pF @ 25 V |
| Technology | MOSFET (Metal Oxide) | Gate Charge (Qg) (Max) @ Vgs | 130 nC @ 10 V |
| Supplier Device Package | TO-247 (IXTH) | FET Type | N-Channel |
| Series | - | FET Feature | - |
| Rds On (Max) @ Id, Vgs | 20hm @ 2.5A, 10V | Drive Voltage (Max Rds On, Min Rds On) | 10V |
| Power Dissipation (Max) | 180W (Tc) | Drain to Source Voltage (Vdss) | 1000 V |
| Package / Case | TO-247-3 | Current - Continuous Drain (Id) @ 25°C | 5A (Tc) |
| Package | Tube | Base Product Number | IXTH5 |
| | | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to IXYS IXTH5N100A

| Product Attribute | | | | |
|---|----------------------|----------------------|----------------------|----------------------|
| Part Number | IXTH5N100A | IXTH50N20 | IXTH67N10 | IXTH60N10 |
| Manufacturer | IXYS | IXYS | IXYS | IXYS |
| FET Feature | - | - | - | - |
| FET Туре | N-Channel | N-Channel | N-Channel | N-Channel |
| Rds On (Max) @ Id, Vgs | 20hm @ 2.5A, 10V | 45mOhm @ 25A, 10V | 25mOhm @ 33.5A, 10V | 20mOhm @ 30A, 10V |
| Power Dissipation (Max) | 180W (Tc) | 300W (Tc) | 300W (Tc) | 300W (Tc) |
| Technology | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) |
| Package / Case | TO-247-3 | TO-247-3 | TO-247-3 | TO-247-3 |
| Operating Temperature | -55°C ~ 150°C (TJ) |
| Mounting Type | Through Hole | Through Hole | Through Hole | Through Hole |
| Series | - | MegaMOS™ | MegaMOS™ | - |
| Drive Voltage (Max Rds On, Min Rds On) | 10V | 10V | 10V | 10V |
| Vgs(th) (Max) @ Id | 4.5V @ 250µA | 4V @ 250µA | 4V @ 4mA | 4V @ 250µA |
| Package | Tube | Tube | Tube | Tube |
| Gate Charge (Qg) (Max) @ Vgs | 130 nC @ 10 V | 220 nC @ 10 V | 260 nC @ 10 V | 110 nC @ 10 V |
| Supplier Device Package | TO-247 (IXTH) | TO-247 (IXTH) | TO-247 (IXTH) | TO-247 (IXTH) |
| Base Product Number | IXTH5 | IXTH50 | IXTH67 | IXTH60 |
| Current - Continuous Drain (Id) @ 25°C | 5A (Tc) | 50A (Tc) | 67A (Tc) | 60A (Tc) |
| Drain to Source Voltage (Vdss) | 1000 V | 200 V | 100 V | 100 V |
| Vgs (Max) | ±20V | ±20V | ±20V | ±20V |
| Input Capacitance (Ciss) (Max) @ Vds | 2600 pF @ 25 V | 4600 pF @ 25 V | 4500 pF @ 25 V | 3200 pF @ 25 V |

IXTH5N100A Datasheet PDF

Download IXTH5N100A pdf datasheets and IXYS documentation for IXTH5N100A - IXYS.

Datasheets



Customers Also Interested in

Recommended Products





IXTH50P10

IXYS

MOSFET P-CH 100V 50A TO247

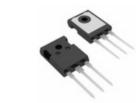
IXTH48P20P

IXYS MOSFET P-CH 200V 48A TO247



IXTH6N90A

IXYS MOSFET N-CH 900V 6A TO247



IXTH60N25 IXYS MOSFET N-CH 250V 60A TO247

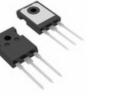


IXTH60N20L2

IXYS MOSFET N-CH 200V 60A TO247



IXTH50P085 IXYS MOSFET P-CH 85V 50A TO247



IXTH60N10 IXYS MOSFET N-CH 100V 60A TO247



IXTH67N10 IXYS



MOSFET N-CH 100V 67A TO247





IXTH50N20

IXYS

MOSFET N-CH 200V 50A TO247

IXTH50N30 IXYS

MOSFET N-CH 300V 50A TO247

IXTH48N65X2

IXYS

MOSFET N-CH 650V 48A TO247



IXYS MOSFET N-CH 200V 72A TO247

IXTH50N25T

IXYS

MOSFET N-CH 250V 50A TO247







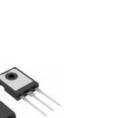






MOSFET N-CH 150V 60A TO247

IXTH6N80A IXYS MOSFET N-CH 800V 6A TO247



IXTH4N150 IXYS MOSFET N-CH 1500V 4A TO247



IXTH52N65X

IXYS MOSFET N-CH 650V 52A TO247

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

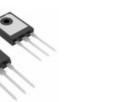
- > Use your express account for shipment if you have one.
- > Use our account for the shipment. Refer to the table below for the approximate charges.

(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.

IXTH6N90 IXYS MOSFET N-CH 900V 6A TO247









Common Countries Logistic Time Reference

| Region | Country | Logistic Time(Day) |
|-------------|----------------|--------------------|
| America | United States | 5 |
| America | Brazil | 7 |
| | Germany | 5 |
| Europe | United Kingdom | 4 |
| | Italy | 5 |
| Oceania | Australia | 6 |
| Oceania | New Zealand | 7 |
| Asia | India | 6 |
| 100 | Japan | 7 |
| Middle East | Israel | 6 |

| DHL | & | FedEx | Shipment | Charges | Reference |
|-----|---|-------|----------------|---------|------------|
| | ~ | ICULA | Simplification | Churges | I CICICICC |

| 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 -訬 203 Efficient Supply Fast Sourcing & Cost-Saving Delivery Management Procurement

Contact us if you have any questions.



Certifications & Memberships



View More



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Contact us

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