



Image may be representation.  
See specifications for product details.



## IXTH5N100A

Manufacturer Part Number	<b>IXTH5N100A</b>
Manufacturer	<b>IXYS Corporation</b>
Allelco Part Number	32D-IXTH5N100A
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 1000V 5A TO247
Package	TO-247-3
Data sheet	<b>IXTH/IXTM 5N100(A).pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

IXTH5N100A - IXYS.New Original in Stock. Download Linear Technology IXTH5N100A datasheet/specifications on AllelcoElec.com.  
Request a quote for IXTH5N100A, please send us email: [info@allelco.com](mailto:info@allelco.com)

### 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 Type	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)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-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

IXTH/IXTM 5N100(A).pdf

### Customers Also Interested in

#### Recommended Products

**IXTH50N20**IXYS  
MOSFET N-CH 200V 50A TO247**IXTH67N10**IXYS  
MOSFET N-CH 100V 67A TO247**IXTH60N10**IXYS  
MOSFET N-CH 100V 60A TO247**IXTH50P085**IXYS  
MOSFET P-CH 85V 50A TO247**IXTH50P10**IXYS  
MOSFET P-CH 100V 50A TO247**IXTH48P20P**IXYS  
MOSFET P-CH 200V 48A TO247**IXTH50N30**IXYS  
MOSFET N-CH 300V 50A TO247**IXTH72N20**IXYS  
MOSFET N-CH 200V 72A TO247**IXTH60N15**IXYS  
MOSFET N-CH 150V 60A TO247**IXTH6N80A**IXYS  
MOSFET N-CH 800V 6A TO247**IXTH60N25**IXYS  
MOSFET N-CH 250V 60A TO247**IXTH6N90A**IXYS  
MOSFET N-CH 900V 6A TO247**IXTH48N65X2**IXYS  
MOSFET N-CH 650V 48A TO247**IXTH50N25T**IXYS  
MOSFET N-CH 250V 50A TO247**IXTH6N90**IXYS  
MOSFET N-CH 900V 6A TO247**IXTH4N150**IXYS  
MOSFET N-CH 1500V 4A TO247**IXTH52N65X**IXYS  
MOSFET N-CH 650V 52A TO247**IXTH60N20L2**IXYS  
MOSFET N-CH 200V 60A 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.

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 -



Contact us if you have any questions.



## Certifications & Memberships



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