

**IXFK44N50P**



**Part Number:** [IXFK44N50P](#)  
**Manufacturer:** [IXYS Corporation](#)  
**Description:** MOSFET N-CH 500V 44A TO-264  
**Data sheet:** [IXF\(H,K,T\)44N50P](#)

**RoHS Status:** Lead free / RoHS Compliant  
**Ship From:** Hong Kong  
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
 See Product Specifications for product details.  
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**PRODUCT PARAMETER**

Part Number	<a href="#">IXFK44N50P</a>
Manufacturer	<a href="#">IXYS Corporation</a>
Description	MOSFET N-CH 500V 44A TO-264
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	14195 pcs
Product Photo	<a href="#">IXFK44N50P.jpg</a>
Category	<a href="#">Discrete Semiconductor Products</a>
Vgs(th) (Max) @ Id	5V @ 4mA
Vgs (Max)	±30V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	TO-264AA (IXFK)
Series	HiPerFET™, PolarHT™
Rds On (Max) @ Id, Vgs	140 mOhm @ 22A, 10V
Power Dissipation (Max)	658W (Tc)
Packaging	Tube
Package / Case	TO-264-3, TO-264AA
Other Names	612450
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Through Hole
Moisture Sensitivity Level (MSL)	1 (Unlimited)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Input Capacitance (Ciss) (Max) @ Vds	5440pF @ 25V
Gate Charge (Qg) (Max) @ Vgs	98nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	500V
Detailed Description	N-Channel 500V 44A (Tc) 658W (Tc) Through Hole TO-264AA (IXFK)
Current - Continuous Drain (Id) @ 25°C	44A (Tc)

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	Part#: <a href="#">IXFK44N50</a> Description: MOSFET N-CH 500V 44A TO-264AA	Manufacturers: <a href="#">IXYS Corporation</a> In Stock: 4835	<a href="#">RFQ</a>
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