

**IXFT100N30X3HV**



**Part Number:** [IXFT100N30X3HV](#)  
**Manufacturer:** [IXYS Corporation](#)  
**Description:** 300V/100A ULTRA JUNCTION X3-CLAS  
**Data sheet:** [IXFH100N30X3](#), [IXFT100N30X3HV](#)

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

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**PRODUCT PARAMETER**

<b>Part Number</b>	<a href="#">IXFT100N30X3HV</a>
<b>Manufacturer</b>	<a href="#">IXYS Corporation</a>
<b>Description</b>	300V/100A ULTRA JUNCTION X3-CLAS
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Quantity Available</b>	11406 pcs
<b>Product Photo</b>	<a href="#">IXFT100N30X3HV.jpg</a>
<b>Category</b>	<a href="#">Discrete Semiconductor Products</a>
<b>Vgs(th) (Max) @ Id</b>	4.5V @ 4mA
<b>Vgs (Max)</b>	±20V
<b>Technology</b>	MOSFET (Metal Oxide)
<b>Supplier Device Package</b>	TO-268HV
<b>Series</b>	HiPerFET™
<b>Rds On (Max) @ Id, Vgs</b>	13.5 mOhm @ 50A, 10V
<b>Power Dissipation (Max)</b>	480W (Tc)
<b>Package / Case</b>	TO-268-3, D <sup>3</sup> Pak (2 Leads + Tab), TO-268AA
<b>Operating Temperature</b>	-55°C ~ 150°C (TJ)
<b>Mounting Type</b>	Surface Mount
<b>Moisture Sensitivity Level (MSL)</b>	1 (Unlimited)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Input Capacitance (Ciss) (Max) @ Vds</b>	7.66nF @ 25V
<b>Gate Charge (Qg) (Max) @ Vgs</b>	122nC @ 10V
<b>FET Type</b>	N-Channel
<b>FET Feature</b>	-
<b>Drive Voltage (Max Rds On, Min Rds On)</b>	10V
<b>Drain to Source Voltage (Vdss)</b>	300V
<b>Detailed Description</b>	N-Channel 300V 100A (Tc) 480W (Tc) Surface Mount TO-268HV
<b>Current - Continuous Drain (Id) @ 25°C</b>	100A (Tc)

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	<b>Part#:</b> <a href="#">IXFR80N50P</a> <b>Description:</b> MOSFET N-CH 500V 45A ISOPLUS247	<b>Manufacturers:</b> <a href="#">IXYS Corporation</a> <b>In Stock:</b> 5440	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">IXFR80N50Q3</a> <b>Description:</b> MOSFET N-CH 500V 50A ISOPLUS247	<b>Manufacturers:</b> <a href="#">IXYS Corporation</a> <b>In Stock:</b> 4484	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">IXFT120N25X3HV</a> <b>Description:</b> 250V/120A ULTRA JUNCTION X3-CLAS	<b>Manufacturers:</b> <a href="#">IXYS Corporation</a> <b>In Stock:</b> 12868	<a href="#">RFQ</a>
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	<b>Part#:</b> <a href="#">IXFR90N30</a> <b>Description:</b> MOSFET N-CH 300V 75A ISOPLUS247	<b>Manufacturers:</b> <a href="#">IXYS Corporation</a> <b>In Stock:</b> 6026	<a href="#">RFQ</a>
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	<b>Part#:</b> <a href="#">IXFR80N20Q</a> <b>Description:</b> MOSFET N-CH 200V 71A ISOPLUS247	<b>Manufacturers:</b> <a href="#">IXYS Corporation</a> <b>In Stock:</b> 5544	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">IXFT13N80Q</a> <b>Description:</b> MOSFET N-CH 800V 13A TO-268	<b>Manufacturers:</b> <a href="#">IXYS Corporation</a> <b>In Stock:</b> 8331	<a href="#">RFQ</a>
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	<b>Part#:</b> <a href="#">IXFT10N100</a> <b>Description:</b> MOSFET N-CH 1000V 10A TO-268	<b>Manufacturers:</b> <a href="#">IXYS Corporation</a> <b>In Stock:</b> 8412	<a href="#">RFQ</a>
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	<b>Part#:</b> <a href="#">IXFR90N20</a> <b>Description:</b> MOSFET N-CH 200V 90A ISOPLUS247	<b>Manufacturers:</b> <a href="#">IXYS Corporation</a> <b>In Stock:</b> 6102	<a href="#">RFQ</a>

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