



## IXFT42N50P2

<b>Manufacturer Part Number:</b>	IXFT42N50P2
<b>Manufacturer/Brand:</b>	IXYS Corporation
<b>Part of Description:</b>	MOSFET N-CH 500V 42A TO268
<b>Datasheets:</b>	<a href="#">IXFT42N50P2.pdf</a>
<b>RoHS Status:</b>	Lead free / RoHS
<b>Stock Condition:</b>	Compliant New original, Stock Available.
<b>Ship From:</b>	Hong Kong
<b>Shipment Way:</b>	DHL/Fedex/TNT/UPS/EMS

Image may be representation.  
See specs for product details.

### Specifications

Part Number	IXFT42N50P2
Manufacturer	IXYS Corporation
Description	MOSFET N-CH 500V 42A TO268
Category	<a href="#">Discrete Semiconductor Products &gt; Transistors - FETs,</a>
Part Status	<a href="#">Require For Quote &amp; Check Stock</a>
Vgs(th) (Max) @ Id	4.5V @ 4mA
Vgs (Max)	±30V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	TO-268
Series	HiPerFET™, PolarHV™
Rds On (Max) @ Id, Vgs	145 mOhm @ 500mA, 10V
Power Dissipation (Max)	830W (Tc)
Packaging	Tube
Package / Case	TO-268-3, D <sup>3</sup> Pak (2 Leads + Tab), TO-268AA
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	5300pF @ 25V
Gate Charge (Qg) (Max) @ Vgs	92nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	500V
Current - Continuous Drain (Id) @ 25°C	42A (Tc)

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<p><b>IXFT40N30Q TR</b> IXYS Corporation MOSFET N-CH 300V 40A TO268</p>	<p><b>IXFT40N30Q</b> IXYS MOSFET N-CH 300V 40A TO-268</p>	<p><b>IXFT400N075T2</b> IXYS MOSFET N-CH 75V 400A TO-268</p>	<p><b>IXFT44N50P</b> IXYS MOSFET N-CH 500V 44A TO-268 D3</p>

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