

IXFT42N50P2 Information


For Reference Only

Part Number [IXFT42N50P2](#)
Manufacturer IXYS
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 500V 42A TO268
Package TO-268-3, D3Pak (2 Leads + Tab), TO-268AA
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: salesdept@heisener.com


[Request a Quote](#)
Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


IXFT42N50P2 Specifications

Manufacturer Part Number	IXFT42N50P2
Manufacturer	IXYS
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-268-3, D3Pak (2 Leads + Tab), TO-268AA
Series	HiPerFET?, PolarHV?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	500V
Current - Continuous Drain (Id) @ 25°C	42A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	4.5V @ 4mA
Gate Charge (Qg) (Max) @ Vgs	92nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	5300pF @ 25V
Vgs (Max)	±30V
FET Feature	-
Power Dissipation (Max)	830W (Tc)
Rds On (Max) @ Id, Vgs	145 mOhm @ 500mA, 10V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	TO-268
Package / Case	TO-268-3, D3Pak (2 Leads + Tab), TO-268AA

[Report errors?](#)

IXFT42N50P2 Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

IXFT42N50P2 Payment Methods



IXFT42N50P2 Shipping Methods



If you have any question about IXFT42N50P2, please do not hesitate to contact us!

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