

IXTQ42N25P Information


For Reference Only

Part Number [IXTQ42N25P](#)
Manufacturer IXYS
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 250V 42A TO-3P
Package TO-3P-3, SC-65-3
 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.


IXTQ42N25P Specifications

Manufacturer Part Number	IXTQ42N25P
Manufacturer	IXYS
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-3P-3, SC-65-3
Series	PolarHT?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	250V
Current - Continuous Drain (Id) @ 25°C	42A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	5.5V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	70nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	2300pF @ 25V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	300W (Tc)
Rds On (Max) @ Id, Vgs	84 mOhm @ 500mA, 10V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	TO-3P
Package / Case	TO-3P-3, SC-65-3

[Report errors?](#)

IXTQ42N25P 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.

IXTQ42N25P Payment Methods



IXTQ42N25P Shipping Methods



If you have any question about IXTQ42N25P, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: salesdept@heisener.com