



### **IXFL44N100P Information**

www.helsene.com

For Reference Only

Part Number IXFL44N100P

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 1000V 22A I5-PAK

Package ISOPLUSi5-Pak?

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.









# **IXFL44N100P Specifications**

Manufacturer Part Number         IXFL44N100P           Manufacturer         IXYS           Category         Discrete Semiconductor Products           Fackage         ISOPLUSi5-Pak?           Series         HiPerFET?, PolarP2?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         1000V           Current - Continuous Drain (Id) @ 25°C         22A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         6.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         305nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         19000pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         357W (Tc)           Rds On (Max) @ Id, Vgs         240 mOhm @ 22A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)		
Category  Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single  Package  ISOPLUSi5-Pak?  Series  HiPerFET?, PolarP2?  FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  1000V  Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Piscrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  ISOPLUSi5-Pak?  NoSFET (Metal Oxide)  1000V  22A (Tc)  100V  10V  10V  10V  10V  10V  10V  1	Manufacturer Part Number	IXFL44N100P
Package         ISOPLUSi5-Pak?           Series         HiPerFET?, PolarP2?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         1000V           Current - Continuous Drain (Id) @ 25°C         22A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         6.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         305nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         19000pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         357W (Tc)           Rds On (Max) @ Id, Vgs         240 mOhm @ 22A, 10V	Manufacturer	IXYS
PackageISOPLUSi5-Pak?SeriesHiPerFET?, PolarP2?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)1000VCurrent - Continuous Drain (Id) @ 25°C22A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id6.5V @ 1mAGate Charge (Qg) (Max) @ Vgs305nC @ 10VInput Capacitance (Ciss) (Max) @ Vds19000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)357W (Tc)Rds On (Max) @ Id, Vgs240 mOhm @ 22A, 10V	Category	Discrete Semiconductor Products
Series HiPerFET?, PolarP2?  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 1000V  Current - Continuous Drain (Id) @ 25°C 22A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 6.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs 305nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 19000pF @ 25V  Vgs (Max) ±30V  FET Feature -  Power Dissipation (Max) 357W (Tc)  Rds On (Max) @ Id, Vgs 240 mOhm @ 22A, 10V		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1000V Current - Continuous Drain (Id) @ 25°C 22A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 6.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 305nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 19000pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 357W (Tc) Rds On (Max) @ Id, Vgs 240 mOhm @ 22A, 10V	Package	ISOPLUSi5-Pak?
Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 1000V  Current - Continuous Drain (Id) @ 25°C 22A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 6.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs 305nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 19000pF @ 25V  Vgs (Max) ±30V  FET Feature -  Power Dissipation (Max) 357W (Tc)  Rds On (Max) @ Id, Vgs 240 mOhm @ 22A, 10V	Series	HiPerFET?, PolarP2?
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  22A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  1000V  22A (Tc)  22A (Tc)  10V  4.5 V @ 1mA  305nC @ 10V  19000pF @ 25V  230V  240 mOhm @ 22A, 10V	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  10V  Vgs(th) (Max) @ Id  6.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  305nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  19000pF @ 25V  Vgs (Max)  ### ### ### ### #### ###############	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  6.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  305nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  19000pF @ 25V  Vgs (Max)  ### ### ### ########################	Drain to Source Voltage (Vdss)	1000V
Vgs(th) (Max) @ Id       6.5V @ 1mA         Gate Charge (Qg) (Max) @ Vgs       305nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       19000pF @ 25V         Vgs (Max)       ±30V         FET Feature       -         Power Dissipation (Max)       357W (Tc)         Rds On (Max) @ Id, Vgs       240 mOhm @ 22A, 10V	Current - Continuous Drain (Id) @ 25°C	22A (Tc)
Gate Charge (Qg) (Max) @ Vgs       305nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       19000pF @ 25V         Vgs (Max)       ±30V         FET Feature       -         Power Dissipation (Max)       357W (Tc)         Rds On (Max) @ Id, Vgs       240 mOhm @ 22A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds       19000pF @ 25V         Vgs (Max)       ±30V         FET Feature       -         Power Dissipation (Max)       357W (Tc)         Rds On (Max) @ Id, Vgs       240 mOhm @ 22A, 10V	Vgs(th) (Max) @ Id	6.5V @ 1mA
Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         357W (Tc)           Rds On (Max) @ Id, Vgs         240 mOhm @ 22A, 10V	Gate Charge (Qg) (Max) @ Vgs	305nC @ 10V
FET Feature - Power Dissipation (Max) 357W (Tc) Rds On (Max) @ Id, Vgs 240 mOhm @ 22A, 10V	Input Capacitance (Ciss) (Max) @ Vds	19000pF @ 25V
Power Dissipation (Max) 357W (Tc) Rds On (Max) @ Id, Vgs 240 mOhm @ 22A, 10V	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs 240 mOhm @ 22A, 10V	FET Feature	-
	Power Dissipation (Max)	357W (Tc)
Operating Temperature $-55^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$	Rds On (Max) @ Id, Vgs	240 mOhm @ 22A, 10V
	Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type Through Hole	Mounting Type	Through Hole
Supplier Device Package ISOPLUS264?	Supplier Device Package	ISOPLUS264?
Package / Case ISOPLUSi5-Pak?	Package / Case	ISOPLUSi5-Pak?
Report errors?		Report errors?

#### **IXFL44N100P 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.

## **IXFL44N100P Payment Methods**



















### **IXFL44N100P Shipping Methods**













If you have any question about IXFL44N100P, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com