



### **IXFR16N120P Information**

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For Reference Only

Part Number IXFR16N120P

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 1200V 9A ISOPLUS247

Package ISOPLUS247?

For the pricing/inventory/lead time, please contact

us

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



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# **Certified Quality**

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# **IXFR16N120P Specifications**

Manufacturer Part Number  Manufacturer  IXYS  Category  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  Package  ISOPLUS247?  Series  HiPerFET?, PolarP2?  FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  1200V  Current - Continuous Drain (Id) @ 25°C  Prive 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  IXYS  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  ISOPLUS247?  N-Channel  MOSFET (Metal Oxide)  9A (Tc)  9A (Tc)  9A (Tc)  10V  9A (Tc)  10V  10V  Vgs(th) (Max) @ Id  6.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  120nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  +30V		
Category  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  ISOPLUS247?  Series  HiPerFET?, PolarP2?  FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  Pa (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)  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  ISOPLUS247?  N-Channel  N-Channel  N-Channel  N-Channel  NOSFET (Metal Oxide)  1200V  9A (Tc)  1200V  10V  65V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  120nC @ 10V  10PUT Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  #30V	Manufacturer Part Number	IXFR16N120P
Transistors - FETs, MOSFETs - Single  Package  ISOPLUS247?  Series  HiPerFET?, PolarP2?  FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  Pa (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)  Transistors - FETs, MOSFETs - Single  ISOPLUS247?  N-Channel  N-Channel  1200V  9A (Tc)  1200V  1200V  10V  6.5V @ 1mA  6.5V @ 1mA  6.5V @ 1mOV  6.5V @ 1mOV  6.5V @ 10V	Manufacturer	IXYS
Package  Series  HiPerFET?, PolarP2?  FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  1200V  Current - Continuous Drain (Id) @ 25°C  PA (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)  ### 150PLUS247?  ### 160PLUS247?  ### 160PL	Category	Discrete Semiconductor Products
Series HiPerFET?, PolarP2?  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 1200V  Current - Continuous Drain (Id) @ 25°C 9A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 6.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs 120nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 6900pF @ 25V  Vgs (Max) ±30V		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1200V Current - Continuous Drain (Id) @ 25°C 9A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 6.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 120nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6900pF @ 25V Vgs (Max) ±30V	Package	ISOPLUS247?
Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 1200V  Current - Continuous Drain (Id) @ 25°C 9A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 6.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs 120nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 6900pF @ 25V  Vgs (Max) ±30V	Series	HiPerFET?, PolarP2?
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  9A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  6.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  120nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ±30V	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C       9A (Tc)         Drive Voltage (Max Rds On, Min Rds On)       10V         Vgs(th) (Max) @ Id       6.5V @ 1mA         Gate Charge (Qg) (Max) @ Vgs       120nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       6900pF @ 25V         Vgs (Max)       ±30V	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         6.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         120nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         6900pF @ 25V           Vgs (Max)         ±30V	Drain to Source Voltage (Vdss)	1200V
Vgs(th) (Max) @ Id       6.5V @ 1mA         Gate Charge (Qg) (Max) @ Vgs       120nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       6900pF @ 25V         Vgs (Max)       ±30V	Current - Continuous Drain (Id) @ 25°C	9A (Tc)
Gate Charge (Qg) (Max) @ Vgs       120nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       6900pF @ 25V         Vgs (Max)       ±30V	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 6900pF @ 25V Vgs (Max) ±30V	Vgs(th) (Max) @ Id	6.5V @ 1mA
Vgs (Max) ±30V	Gate Charge (Qg) (Max) @ Vgs	120nC @ 10V
	Input Capacitance (Ciss) (Max) @ Vds	6900pF @ 25V
FET Feature -	Vgs (Max)	±30V
	FET Feature	-
Power Dissipation (Max) 230W (Tc)	Power Dissipation (Max)	230W (Tc)
Rds On (Max) @ Id, Vgs 1.04 Ohm @ 8A, 10V	Rds On (Max) @ Id, Vgs	1.04 Ohm @ 8A, 10V
Operating Temperature $-55^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$	Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type Through Hole	Mounting Type	Through Hole
Supplier Device Package ISOPLUS247?	Supplier Device Package	ISOPLUS247?
Package / Case ISOPLUS247?	Package / Case	ISOPLUS247?
Report errors?		Report errors?

#### **IXFR16N120P** 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.

# **IXFR16N120P Payment Methods**









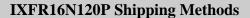
























If you have any question about IXFR16N120P, please do not hesitate to contact us!

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