



IXFH44N50P Information



For Reference Only

Part Number IXFH44N50P

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 500V 44A TO-247

Package TO-247-3

For the pricing/inventory/lead time, please contact

us

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



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IXFH44N50P Specifications

Manufacturer Part Number IXFH44N50P Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-247-3 Series HiPerFET?, PolarHT? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 44A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 4mA Gate Charge (Qg) (Max) @ Vgs 98nC @ 10V Input Capacitance (Ciss) (Max) @ Vds \$440pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 658W (Tc) Rds On (Max) @ Id, Vgs 140 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3		
CategoryDiscrete Semiconductor ProductsPackageTO-247-3SeriesHiPerFET?, PolarHT?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C44A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 4mAGate Charge (Qg) (Max) @ Vgs98nC @ 10VInput Capacitance (Ciss) (Max) @ Vds5440pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)658W (Tc)Rds On (Max) @ Id, Vgs140 mOhm @ 22A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-AD (IXFH)Package / CaseTO-247-B	Manufacturer Part Number	IXFH44N50P
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SeriesHiPerFET?, PolarHT?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C44A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 4mAGate Charge (Qg) (Max) @ Vgs98nC @ 10VInput Capacitance (Ciss) (Max) @ Vds5440pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)658W (Tc)Rds On (Max) @ Id, Vgs140 mOhm @ 22A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247AD (IXFH)Package / CaseTO-247-3		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C44A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 4mAGate Charge (Qg) (Max) @ Vgs98nC @ 10VInput Capacitance (Ciss) (Max) @ Vds5440pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)658W (Tc)Rds On (Max) @ Id, Vgs140 mOhm @ 22A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247AD (IXFH)Package / CaseTO-247-3	Package	TO-247-3
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 44A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sv @ 4mA Gate Charge (Qg) (Max) @ Vgs 1nput Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature -Power Dissipation (Max) Rds On (Max) @ Id, Vgs 140 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Supplier Device Package TO-247AD (IXFH) Package / Case MOSFET (Metal Oxide) 500V MOSFET (Metal Oxide) 500V 44A (Tc) 44A (Tc) 44A (Tc) 500V 44A (Tc)	Series	HiPerFET?, PolarHT?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C A4A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sty @ 4mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 140 mOhm @ 22A, 10V Operating Temperature Supplier Device Package TO-247AD (IXFH) Package / Case A4A (Tc) 44A (Tc)	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sv @ 4mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 140 mOhm @ 22A, 10V Operating Temperature Supplier Device Package TO-247AD (IXFH) Package / Case 44A (Tc) 44A	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sty @ 4mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 140 mOhm @ 22A, 10V Operating Temperature Supplier Device Package TO-247AD (IXFH) Package / Case	Drain to Source Voltage (Vdss)	500V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 5440pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 140 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case	Current - Continuous Drain (Id) @ 25°C	44A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 5440pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 140 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 5440pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 140 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3	Vgs(th) (Max) @ Id	5V @ 4mA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)658W (Tc)Rds On (Max) @ Id, Vgs140 mOhm @ 22A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247AD (IXFH)Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	98nC @ 10V
FET Feature - Power Dissipation (Max) 658W (Tc) Rds On (Max) @ Id, Vgs 140 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3	Input Capacitance (Ciss) (Max) @ Vds	5440pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 140 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs 140 mOhm @ 22A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3	Power Dissipation (Max)	658W (Tc)
Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	140 mOhm @ 22A, 10V
Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-247-3	Mounting Type	Through Hole
	Supplier Device Package	TO-247AD (IXFH)
Report errors?	Package / Case	TO-247-3
		Report errors?

IXFH44N50P 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.

IXFH44N50P Payment Methods



















IXFH44N50P Shipping Methods













If you have any question about IXFH44N50P, please do not hesitate to contact us!

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