



IXFN44N50U2 Information



For Reference Only

Part Number IXFN44N50U2

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 500V 44A SOT-227B

Package SOT-227-4, miniBLOC

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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IXFN44N50U2 Specifications

Manufacturer Part Number IXFN44N50U2 Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SOT-227-4, miniBLOC Series HiPerFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 44A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 8mA Gate Charge (Qg) (Max) @ Vgs 270nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 8400pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 520W (Tc) Rds On (Max) @ Id, Vgs 120 mOhm @ 500mA, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC		
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Series HiPerFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 44A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 8mA Gate Charge (Qg) (Max) @ Vgs 270nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 8400pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) 520W (Tc) Rds On (Max) @ Id, Vgs 120 mOhm @ 500mA, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C44ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 8mAGate Charge (Qg) (Max) @ Vgs270nC @ 10VInput Capacitance (Ciss) (Max) @ Vds8400pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)520W (Tc)Rds On (Max) @ Id, Vgs120 mOhm @ 500mA, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Package	SOT-227-4, miniBLOC
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 44A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) **EUV** **FET Feature** Power Dissipation (Max) Rds On (Max) @ Id, Vgs 120 mOhm @ 500mA, 10V Operating Temperature **One And	Series	HiPerFET?
Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C44ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 8mAGate Charge (Qg) (Max) @ Vgs270nC @ 10VInput Capacitance (Ciss) (Max) @ Vds8400pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)520W (Tc)Rds On (Max) @ Id, Vgs120 mOhm @ 500mA, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 8mA Gate Charge (Qg) (Max) @ Vgs 270nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) #20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 120 mOhm @ 500mA, 10V Operating Temperature Au°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SOT-227-4, miniBLOC	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 8mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) #20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 120 mOhm @ 500mA, 10V Operating Temperature 40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SOT-227B SOT-227-4, miniBLOC	Drain to Source Voltage (Vdss)	500V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 8400pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Sound (Max) @ Id, Vgs 120 mOhm @ 500mA, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SOT-227-4, miniBLOC	Current - Continuous Drain (Id) @ 25°C	44A
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 8400pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 120 mOhm @ 500mA, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SOT-227B SOT-227-4, miniBLOC	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 8400pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 520W (Tc) Rds On (Max) @ Id, Vgs 120 mOhm @ 500mA, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Vgs(th) (Max) @ Id	4V @ 8mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)520W (Tc)Rds On (Max) @ Id, Vgs120 mOhm @ 500mA, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Gate Charge (Qg) (Max) @ Vgs	270nC @ 10V
FET Feature - Cover Dissipation (Max) 520W (Tc) Rds On (Max) @ Id, Vgs 120 mOhm @ 500mA, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Input Capacitance (Ciss) (Max) @ Vds	8400pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 120 mOhm @ 500mA, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs120 mOhm @ 500mA, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	FET Feature	-
Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Power Dissipation (Max)	520W (Tc)
Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Rds On (Max) @ Id, Vgs	120 mOhm @ 500mA, 10V
Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Operating Temperature	-40°C ~ 150°C (TJ)
Package / Case SOT-227-4, miniBLOC	Mounting Type	Chassis Mount
	Supplier Device Package	SOT-227B
	Package / Case	SOT-227-4, miniBLOC
Report errors?		Report errors?

IXFN44N50U2 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.

IXFN44N50U2 Payment Methods



















IXFN44N50U2 Shipping Methods













If you have any question about IXFN44N50U2, please do not hesitate to contact us!

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