



IXFE48N50Q Information



For Reference Only

Part Number IXFE48N50Q

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 500V 41A 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

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.









IXFE48N50Q Specifications

Manufacturer IXYS Category Discrete Semiconductor Products 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 41A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 4mA Gate Charge (Qg) (Max) @ Vgs 190nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 7000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 400W (Tc) Rds On (Max) @ Id, Vgs 110 mOhm @ 24A, 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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PackageSOT-227-4, miniBLOCSeriesHiPerFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C41ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 4mAGate Charge (Qg) (Max) @ Vgs190nC @ 10VInput Capacitance (Ciss) (Max) @ Vds7000pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)400W (Tc)Rds On (Max) @ Id, Vgs110 mOhm @ 24A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Category	Discrete Semiconductor Products
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Current - Continuous Drain (Id) @ 25°C 41A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 4mA Gate Charge (Qg) (Max) @ Vgs 190nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 7000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 400W (Tc) Rds On (Max) @ Id, Vgs 110 mOhm @ 24A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Technology	MOSFET (Metal Oxide)
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Vgs(th) (Max) @ Id 4V @ 4mA Gate Charge (Qg) (Max) @ Vgs 190nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 7000pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) 400W (Tc) Rds On (Max) @ Id, Vgs 110 mOhm @ 24A, 10V Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Current - Continuous Drain (Id) @ 25°C	41A
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 7000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 110 mOhm @ 24A, 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)	10 V
Input Capacitance (Ciss) (Max) @ Vds 7000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 110 mOhm @ 24A, 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 @ 4mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)400W (Tc)Rds On (Max) @ Id, Vgs110 mOhm @ 24A, 10VOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Gate Charge (Qg) (Max) @ Vgs	190nC @ 10V
FET Feature - Power Dissipation (Max) 400W (Tc) Rds On (Max) @ Id, Vgs 110 mOhm @ 24A, 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	7000pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 110 mOhm @ 24A, 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, Vgs110 mOhm @ 24A, 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)	400W (Tc)
Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Rds On (Max) @ Id, Vgs	110 mOhm @ 24A, 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
Papart arrors?	Package / Case	SOT-227-4, miniBLOC
Report errors:		Report errors?

IXFE48N50Q 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.

IXFE48N50Q Payment Methods





















IXFE48N50Q Shipping Methods













If you have any question about IXFE48N50Q, please do not hesitate to contact us!

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