



IXFN80N50Q2 Information



For Reference Only

Part Number IXFN80N50Q2

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 500V 80A 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.









IXFN80N50Q2 Specifications

Manufacturer Part Number IXFN80N50Q2 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 80A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 250nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 12800pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 890W (Tc) Rds On (Max) @ Id, Vgs 60 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single SOT-227-4, miniBLOC Series HiPerFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Tourin to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C BOA Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Lorent - Capacitance (Ciss) (Max) @ Vds Lagoupfe 25V Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Assis Mount Supplier Device Package Package / Case Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single SOT-227-4, miniBLOC	Manufacturer Part Number	IXFN80N50Q2
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PackageSOT-227-4, miniBLOCSeriesHiPerFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C80ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 8mAGate Charge (Qg) (Max) @ Vgs250nC @ 10VInput Capacitance (Ciss) (Max) @ Vds12800pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)890W (Tc)Rds On (Max) @ Id, Vgs60 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Category	Discrete Semiconductor Products
Series HiPerFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 80A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 250nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 12800pF @ 25V Vgs (Max) ±30V FET Feature Power Dissipation (Max) 890W (Tc) Rds On (Max) @ Id, Vgs 60 mOhm @ 500mA, 10V Operating Temperature -55°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°C80ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5 V @ 8mAGate Charge (Qg) (Max) @ Vgs250nC @ 10VInput Capacitance (Ciss) (Max) @ Vds12800pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)890W (Tc)Rds On (Max) @ Id, Vgs60 mOhm @ 500mA, 10VOperating Temperature-55°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 80A 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 Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 500V MOSFET (Metal Oxide) 500V 80A 500V 80A 10V 4.5V @ 8mA 250nC @ 10V 1280opF @ 25V ±30V FC OF	Series	HiPerFET?
Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C80ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 8mAGate Charge (Qg) (Max) @ Vgs250nC @ 10VInput Capacitance (Ciss) (Max) @ Vds12800pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)890W (Tc)Rds On (Max) @ Id, Vgs60 mOhm @ 500mA, 10VOperating Temperature-55°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 4.5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 250nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 12800pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 60 mOhm @ 500mA, 10V Operating Temperature -55°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 4.5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 12800pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 60 mOhm @ 500mA, 10V Operating Temperature -55°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 12800pF @ 25V Vgs (Max) ### ### #### #######################	Current - Continuous Drain (Id) @ 25°C	80A
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 12800pF @ 25V Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 60 mOhm @ 500mA, 10V Operating Temperature -55°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 12800pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 60 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Vgs(th) (Max) @ Id	4.5V @ 8mA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)890W (Tc)Rds On (Max) @ Id, Vgs60 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Gate Charge (Qg) (Max) @ Vgs	250nC @ 10V
FET Feature - Power Dissipation (Max) 890W (Tc) Rds On (Max) @ Id, Vgs 60 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Input Capacitance (Ciss) (Max) @ Vds	12800pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 60 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs60 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Power Dissipation (Max)	890W (Tc)
Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Rds On (Max) @ Id, Vgs	60 mOhm @ 500mA, 10V
Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Operating Temperature	-55°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?

IXFN80N50Q2 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.

IXFN80N50Q2 Payment Methods





















IXFN80N50Q2 Shipping Methods













If you have any question about IXFN80N50Q2, please do not hesitate to contact us!

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