



IXFN38N100P Information

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For Reference Only

Part Number IXFN38N100P

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 1000V 38A 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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IXFN38N100P Specifications

Manufacturer Part Number IXFN38N100P Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SOT-227-4, miniBLOC Series HiPerFET?, PolarP2? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1000V Current - Continuous Drain (Id) @ 25°C 38A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 6.5V @ ImA Gate Charge (Qg) (Max) @ Vgs 350nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 24000pF @ 25V Vgs (Max) 25°C FET Feature - Power Dissipation (Max) 1000W (Tc) Rds On (Max) @ Id, Vgs 210 mOhm @ 19A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC		
CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageSOT-227-4, miniBLOCSeriesHiPerFET?, PolarP2?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)1000VCurrent - Continuous Drain (Id) @ 25°C38ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id6.5V @ 1mAGate Charge (Qg) (Max) @ Vgs350nC @ 10VInput Capacitance (Ciss) (Max) @ Vds24000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)1000W (Tc)Rds On (Max) @ Id, Vgs210 mOhm @ 19A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Manufacturer Part Number	IXFN38N100P
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SeriesHiPerFET?, PolarP2?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)1000VCurrent - Continuous Drain (Id) @ 25°C38ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id6.5V @ 1mAGate Charge (Qg) (Max) @ Vgs350nC @ 10VInput Capacitance (Ciss) (Max) @ Vds24000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)1000W (Tc)Rds On (Max) @ Id, Vgs210 mOhm @ 19A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)1000VCurrent - Continuous Drain (Id) @ 25°C38ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id6.5V @ 1mAGate Charge (Qg) (Max) @ Vgs350nC @ 10VInput Capacitance (Ciss) (Max) @ Vds24000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)1000W (Tc)Rds On (Max) @ Id, Vgs210 mOhm @ 19A, 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 38A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 150	Series	HiPerFET?, PolarP2?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 38A 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 Poperating Temperature Supplier Device Package Package / Case 1000V 38A 100V 6.5V @ 1mA 350nC @ 10V 24000pF @ 25V 24000pF @ 25V 250V 210 mOhm @ 19A, 10V Chassis Mount Supplier Device Package SOT-227B SOT-227B	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 6.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 150nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 24000pF @ 25V Vgs (Max) ### ### ### ### ### #### ###########	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 6.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 350nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ### ### ### ### #### ###############	Drain to Source Voltage (Vdss)	1000V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 24000pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) I000W (Tc) Rds On (Max) @ Id, Vgs 210 mOhm @ 19A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SOT-227B SOT-227-4, miniBLOC	Current - Continuous Drain (Id) @ 25°C	38A
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 24000pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 210 mOhm @ 19A, 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 24000pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 210 mOhm @ 19A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SOT-227B SOT-227-4, miniBLOC	Vgs(th) (Max) @ Id	6.5V @ 1mA
Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 1000W (Tc) Rds On (Max) @ Id, Vgs 210 mOhm @ 19A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Gate Charge (Qg) (Max) @ Vgs	350nC @ 10V
FET Feature - Power Dissipation (Max) 1000W (Tc) Rds On (Max) @ Id, Vgs 210 mOhm @ 19A, 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	24000pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 210 mOhm @ 19A, 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, Vgs210 mOhm @ 19A, 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)	1000W (Tc)
Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Rds On (Max) @ Id, Vgs	210 mOhm @ 19A, 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
Report errors?	Package / Case	SOT-227-4, miniBLOC
		Report errors?

IXFN38N100P 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.

IXFN38N100P Payment Methods



















IXFN38N100P Shipping Methods













If you have any question about IXFN38N100P, please do not hesitate to contact us!

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