



IXFN30N120P Information

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For Reference Only

Part Number IXFN30N120P

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 1200V 30A 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.









IXFN30N120P Specifications

Manufacturer Part Number IXFN30N120P Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SOT-227-4, miniBLOC Series Polar? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1200V Current - Continuous Drain (Id) @ 25°C 30A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 6.5V @ ImA Gate Charge (Qg) (Max) @ Vgs 310nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 19000pF @ 25V Vgs (Max) 19000pF @ 25V Vgs (Max) 25°C FET Feature - Power Dissipation (Max) 890W (Tc) Rds On (Max) @ Id, Vgs 350 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 Polar? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 30A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Asson (Max) @ Id, Vgs Operating Temperature SUT-227-4, miniBLOC	Manufacturer Part Number	IXFN30N120P
Package SOT-227-4, miniBLOC Series Polar? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1200V Current - Continuous Drain (Id) @ 25°C 30A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 6.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 310nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1900opF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 890W (Tc) Rds On (Max) @ Id, Vgs 350 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	Manufacturer	IXYS
PackageSOT-227-4, miniBLOCSeriesPolar?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)1200VCurrent - Continuous Drain (Id) @ 25°C30ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id6.5V @ 1mAGate Charge (Qg) (Max) @ Vgs310nC @ 10VInput Capacitance (Ciss) (Max) @ Vds19000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)890W (Tc)Rds On (Max) @ Id, Vgs350 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Category	Discrete Semiconductor Products
SeriesPolar?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)1200VCurrent - Continuous Drain (Id) @ 25°C30ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id6.5V @ ImAGate Charge (Qg) (Max) @ Vgs310nC @ 10VInput Capacitance (Ciss) (Max) @ Vds19000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)890W (Tc)Rds On (Max) @ Id, Vgs350 mOhm @ 500mA, 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)1200VCurrent - Continuous Drain (Id) @ 25°C30ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id6.5V @ 1mAGate Charge (Qg) (Max) @ Vgs310nC @ 10VInput Capacitance (Ciss) (Max) @ Vds19000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)890W (Tc)Rds On (Max) @ Id, Vgs350 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 30A 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 350 mOhm @ 500mA, 10V Operating Temperature Supplier Device Package Package / Case MOSFET (Metal Oxide) 1200V 100V 100V 100V 100V 100V 100V 100V 110V 110C 110V 110C 11	Series	Polar?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 30A 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 350 mOhm @ 500mA, 10V Operating Temperature Supplier Device Package Package / Case 1200V 30A 30A 30A 50A 19V 80A 80A 19V 80B 80F 80F 80F 80F 80F 80F 80F	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 11000pF @ 25V Input Capacitance (Ciss) (Max) @ Vds 19000pF @ 25V Vgs (Max) #30V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 350 mOhm @ 500mA, 10V Operating Temperature Chassis Mount Supplier Device Package Package / Case SOT-227B SOT-227-4, miniBLOC	Technology	MOSFET (Metal Oxide)
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 350 mOhm @ 500mA, 10V Operating Temperature Chassis Mount Supplier Device Package Package / Case SOT-227B SOT-227-4, miniBLOC	Drain to Source Voltage (Vdss)	1200V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case 6.5V @ 1mA	Current - Continuous Drain (Id) @ 25°C	30A
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 19000pF @ 25V Vgs (Max) ±30V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 350 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 19000pF @ 25V Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 350 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	Vgs(th) (Max) @ Id	6.5V @ 1mA
Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 890W (Tc) Rds On (Max) @ Id, Vgs 350 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	Gate Charge (Qg) (Max) @ Vgs	310nC @ 10V
FET Feature - Power Dissipation (Max) 890W (Tc) Rds On (Max) @ Id, Vgs 350 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	19000pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case SOT-227-4, miniBLOC	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs350 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	350 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
Report errors?	Package / Case	SOT-227-4, miniBLOC
		Report errors?

IXFN30N120P 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.

IXFN30N120P Payment Methods



















IXFN30N120P Shipping Methods













If you have any question about IXFN30N120P, please do not hesitate to contact us!

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