



IXFN120N65X2 Information



For Reference Only

Part Number IXFN120N65X2

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 650V 108A SOT-227

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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IXFN120N65X2 Specifications

Manufacturer Part Number IXFN120N65X2 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) 650V Current - Continuous Drain (Id) @ 25°C 108A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 225nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 15500pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 890W (Tc) Rds On (Max) @ Id, Vgs 24 mOhm @ 54A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227-4, miniBLOC		
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Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 5.5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 225nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 15500pF @ 25V Vgs (Max) #30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 24 mOhm @ 54A, 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)
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Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 15500pF @ 25V 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 SOT-227-4, miniBLOC	Current - Continuous Drain (Id) @ 25°C	108A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 15500pF @ 25V Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 24 mOhm @ 54A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 15500pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 24 mOhm @ 54A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC	Vgs(th) (Max) @ Id	5.5V @ 8mA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)890W (Tc)Rds On (Max) @ Id, Vgs24 mOhm @ 54A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227Package / CaseSOT-227-4, miniBLOC	Gate Charge (Qg) (Max) @ Vgs	225nC @ 10V
FET Feature - Power Dissipation (Max) 890W (Tc) Rds On (Max) @ Id, Vgs 24 mOhm @ 54A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC	Input Capacitance (Ciss) (Max) @ Vds	15500pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 24 mOhm @ 54A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs24 mOhm @ 54A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227Package / CaseSOT-227-4, miniBLOC	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC	Power Dissipation (Max)	890W (Tc)
Mounting TypeChassis MountSupplier Device PackageSOT-227Package / CaseSOT-227-4, miniBLOC	Rds On (Max) @ Id, Vgs	24 mOhm @ 54A, 10V
Supplier Device Package SOT-227 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-227
Poport arrors?	Package / Case	SOT-227-4, miniBLOC
Report errors:		Report errors?

IXFN120N65X2 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.

IXFN120N65X2 Payment Methods



















IXFN120N65X2 Shipping Methods













If you have any question about IXFN120N65X2, please do not hesitate to contact us!

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