



IXFN160N30T Information



For Reference Only

Part Number IXFN160N30T

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 300V 130A SOT227

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.









IXFN160N30T Specifications

Manufacturer Part Number IXFN160N30T Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SOT-227-4, miniBLOC Series GigaMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 300V Current - Continuous Drain (Id) @ 25°C 130A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 335nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 28000pF @ 25V Vgs (Max) 25°C @ 10V FET Feature - Power Dissipation (Max) 900W (Tc) Rds On (Max) @ Id, Vgs 19 mOhm @ 60A, 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 ProductsPackageSOT-227-4, miniBLOCSeriesGigaMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)300VCurrent - Continuous Drain (Id) @ 25°C130ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 8mAGate Charge (Qg) (Max) @ Vgs335nC @ 10VInput Capacitance (Ciss) (Max) @ Vds28000pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)900W (Tc)Rds On (Max) @ Id, Vgs19 mOhm @ 60A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Manufacturer Part Number	IXFN160N30T
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Series GigaMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 300V Current - Continuous Drain (Id) @ 25°C 130A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 335nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 28000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 900W (Tc) Rds On (Max) @ Id, Vgs 19 mOhm @ 60A, 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
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Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 130A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sv @ 8mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 19 mOhm @ 60A, 10V Operating Temperature Supplier Device Package Package / Case MOSFET (Metal Oxide) 300V MOSFET (Metal Oxide) 300V 10V 10V 10V 2800 5V @ 8mA 28000pF @ 25V 28000pF @ 25V 28000pF @ 25V 270V Chassis Mount SOT-227B SOT-227B SOT-227-4, miniBLOC	Series	GigaMOS?
Drain to Source Voltage (Vdss)300VCurrent - Continuous Drain (Id) @ 25°C130ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 8mAGate Charge (Qg) (Max) @ Vgs335nC @ 10VInput Capacitance (Ciss) (Max) @ Vds28000pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)900W (Tc)Rds On (Max) @ Id, Vgs19 mOhm @ 60A, 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) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 135nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 28000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 19 mOhm @ 60A, 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 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) **ET Feature** Power Dissipation (Max) Rds On (Max) @ Id, Vgs 19 mOhm @ 60A, 10V Operating Temperature **Others and the state of the stat	Drain to Source Voltage (Vdss)	300V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) #20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 19 mOhm @ 60A, 10V Operating Temperature Chassis Mount Supplier Device Package Package / Case SOT-227-4, miniBLOC	Current - Continuous Drain (Id) @ 25°C	130A
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 28000pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 19 mOhm @ 60A, 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 28000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 900W (Tc) Rds On (Max) @ Id, Vgs 19 mOhm @ 60A, 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	5V @ 8mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)900W (Tc)Rds On (Max) @ Id, Vgs19 mOhm @ 60A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Gate Charge (Qg) (Max) @ Vgs	335nC @ 10V
FET Feature - Power Dissipation (Max) 900W (Tc) Rds On (Max) @ Id, Vgs 19 mOhm @ 60A, 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	28000pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 19 mOhm @ 60A, 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)	±20V
Rds On (Max) @ Id, Vgs19 mOhm @ 60A, 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)	900W (Tc)
Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Rds On (Max) @ Id, Vgs	19 mOhm @ 60A, 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?

IXFN160N30T 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.

IXFN160N30T Payment Methods



















IXFN160N30T Shipping Methods













If you have any question about IXFN160N30T, please do not hesitate to contact us!

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