



IXFN180N25T Information

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For Reference Only

Part Number IXFN180N25T

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 250V 168A 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

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.









IXFN180N25T Specifications

Manufacturer Part Number Manufacturer LIXYS 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) Current - Continuous Drain (Id) @ 25°C LIFER OX & BMA Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Jaylous Cisson (Cisso) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs OyoW (Tc) Rds On (Max) @ Id, Vgs Operating Temperature Aus On (Max) @ Id, Vgs Operating Temperature Mos On (Max) @ Id, Vgs Operating Temperature Chassis Mount Supplier Device Package Package / Case Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single SOT-227-4, miniBLOC Series SigaMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 168A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sto W & 8mA Gate Charge (Qg) (Max) @ Vds 1490 Input Capacitance (Ciss) (Max) @ Vds 28000pF @ 25V Vgs (Max) #20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 12.9 mOhm @ 60A, 10V Operating Temperature Mounting Type Chassis Mount Supplier Device Package Package / Case SOT-227-4, miniBLOC	Manufacturer Part Number	IXFN180N25T
Package SOT-227-4, miniBLOC Series GigaMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 250V Current - Continuous Drain (Id) @ 25°C 168A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 345nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 28000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 900W (Tc) Rds On (Max) @ Id, Vgs 12.9 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	Manufacturer	IXYS
PackageSOT-227-4, miniBLOCSeriesGigaMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)250VCurrent - Continuous Drain (Id) @ 25°C168ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 8mAGate Charge (Qg) (Max) @ Vgs345nC @ 10VInput Capacitance (Ciss) (Max) @ Vds28000pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)900W (Tc)Rds On (Max) @ Id, Vgs12.9 mOhm @ 60A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Category	Discrete Semiconductor Products
Series GigaMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 250V Current - Continuous Drain (Id) @ 25°C 168A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 345nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 28000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 900W (Tc) Rds On (Max) @ Id, Vgs 12.9 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
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 168A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1345nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ### 20V FET Feature	Package	SOT-227-4, miniBLOC
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 168A 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 12.9 mOhm @ 60A, 10V Operating Temperature Supplier Device Package Package / Case MOSFET (Metal Oxide) 250V MOSFET (Metal Oxide) 250V 168A 5V @ 8mA 345nC @ 10V 28000pF @ 25V 28000pF @ 25V 290V Technology Temperature -5°C ~ 150°C (TJ) Chassis Mount Supplier Device Package SOT-227B SOT-227B	Series	GigaMOS?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 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 Operating Temperature Supplier Device Package Package / Case 250V 10V 10V 28W 8mA 345nC @ 10V 28000pF @ 25V 220V FET Ge 10V 12.9 mOhm @ 60A, 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 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) #20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 12.9 mOhm @ 60A, 10V Operating Temperature Supplier Device Package Package / Case 168A 10V 10V 10V 10V 5V @ 8mA 345nC @ 10V 28000pF @ 25V 28000pF @ 25V 28000pF @ 25V 270 Chassis Mount Supplier Device Package SOT-227B 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) **EUV FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 12.9 mOhm @ 60A, 10V Operating Temperature Supplier Device Package Package / Case SOT-227B SOT-227-4, miniBLOC	Drain to Source Voltage (Vdss)	250V
Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 345nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 28000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 900W (Tc) Rds On (Max) @ Id, Vgs 12.9 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	Current - Continuous Drain (Id) @ 25°C	168A
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 12.9 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 12.9 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, Vgs12.9 mOhm @ 60A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Gate Charge (Qg) (Max) @ Vgs	345nC @ 10V
FET Feature - Power Dissipation (Max) 900W (Tc) Rds On (Max) @ Id, Vgs 12.9 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 12.9 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, Vgs12.9 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	12.9 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?

IXFN180N25T 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.

IXFN180N25T Payment Methods



















IXFN180N25T Shipping Methods













If you have any question about IXFN180N25T, please do not hesitate to contact us!

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