



IXTN200N10T Information



For Reference Only

Part Number IXTN200N10T

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 100V 200A 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



Request a Quote

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.









IXTN200N10T Specifications

Manufacturer Part Number IXTN200N10T Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SOT-227-4, miniBLOC Series TrenchMV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 200A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 152nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 9400pF @ 25V Vgs (Max) ±0V FET Feature - Power Dissipation (Max) 550W (Tc) Rds On (Max) @ Id, Vgs 5.5 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC		
CategoryDiscrete Semiconductor ProductsPackageSOT-227-4, miniBLOCSeriesTrenchMV?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C200ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 250μAGate Charge (Qg) (Max) @ Vgs152nC @ 10VInput Capacitance (Ciss) (Max) @ Vds9400pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)550W (Tc)Rds On (Max) @ Id, Vgs5.5 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Manufacturer Part Number	IXTN200N10T
Package SOT-227-4, miniBLOC Series TrenchMV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 200A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 152nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 9400pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 550W (Tc) Rds On (Max) @ Id, Vgs 5.5 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Manufacturer	IXYS
Package SOT-227-4, miniBLOC Series TrenchMV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 200A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5 V @ 250μA Gate Charge (Qg) (Max) @ Vgs 152nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 9400pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 550W (Tc) Rds On (Max) @ Id, Vgs 5.5 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Category	Discrete Semiconductor Products
Series TrenchMV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 200A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 152nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 9400pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 550W (Tc) Rds On (Max) @ Id, Vgs 5.5 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°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) 100V Current - Continuous Drain (Id) @ 25°C 200A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 152nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 9400pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 550W (Tc) Rds On (Max) @ Id, Vgs 5.5 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case	Package	SOT-227-4, miniBLOC
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C200ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 250μAGate Charge (Qg) (Max) @ Vgs152nC @ 10VInput Capacitance (Ciss) (Max) @ Vds9400pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)550W (Tc)Rds On (Max) @ Id, Vgs5.5 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Series	TrenchMV?
Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C200ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 250μAGate Charge (Qg) (Max) @ Vgs152nC @ 10VInput Capacitance (Ciss) (Max) @ Vds9400pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)550W (Tc)Rds On (Max) @ Id, Vgs5.5 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C200ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 250μAGate Charge (Qg) (Max) @ Vgs152nC @ 10VInput Capacitance (Ciss) (Max) @ Vds9400pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)550W (Tc)Rds On (Max) @ Id, Vgs5.5 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 250μAGate Charge (Qg) (Max) @ Vgs152nC @ 10VInput Capacitance (Ciss) (Max) @ Vds9400pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)550W (Tc)Rds On (Max) @ Id, Vgs5.5 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) As 550W (Tc) Rds On (Max) @ Id, Vgs Operating Temperature Chassis Mount Supplier Device Package Package / Case 4.5V @ 250μA 4.5ν @ 250μA 152nC @ 10ν 9400pF @ 25V 25V 55V 750 (Tc) Chassis Mount SOT-227B SOT-227-4, miniBLOC	Current - Continuous Drain (Id) @ 25°C	200A
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 9400pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.5 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°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 Vgs (Max) E20V FET Feature Power Dissipation (Max) S50W (Tc) Rds On (Max) @ Id, Vgs 5.5 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Vgs(th) (Max) @ Id	4.5V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)550W (Tc)Rds On (Max) @ Id, Vgs5.5 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	Gate Charge (Qg) (Max) @ Vgs	152nC @ 10V
FET Feature - FET Feature - S50W (Tc) Rds On (Max) @ Id, Vgs	Input Capacitance (Ciss) (Max) @ Vds	9400pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.5 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs5.5 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227BPackage / CaseSOT-227-4, miniBLOC	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Power Dissipation (Max)	550W (Tc)
Mounting Type Chassis Mount Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Rds On (Max) @ Id, Vgs	5.5 mOhm @ 50A, 10V
Supplier Device Package SOT-227B Package / Case SOT-227-4, miniBLOC	Operating Temperature	-55°C ~ 175°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?

IXTN200N10T 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.

IXTN200N10T Payment Methods



















IXTN200N10T Shipping Methods













If you have any question about IXTN200N10T, please do not hesitate to contact us!

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