



IXFN300N10P Information

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For Reference Only

Part Number IXFN300N10P

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 100V 295A 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.









IXFN300N10P Specifications

Manufacturer Part Number IXFN300N10P 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) 100V Current - Continuous Drain (Id) @ 25°C 295A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 279nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23000pF @ 25V Vgs (Max) 279 C @ 10V FET Feature - Power Dissipation (Max) 1070W (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		
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Series Polar? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 295A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 279nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1070W (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 295A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 279nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1070W (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-227B	Package	SOT-227-4, miniBLOC
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 295A 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 -55°C ~ 175°C (TJ) Mounting Type Chassis Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 100V 295A 295A 295A 297nC @ 10V 295M 279nC @ 10V 23000pF @ 25V 220V 55V 250V Consider (Ciss) (Max) (Cis	Series	Polar?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 295A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sv @ 8mA Gate Charge (Qg) (Max) @ Vgs 1nput Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Son (Max) @ 5.5 mOhm @ 50A, 10V Operating Temperature Supplier Device Package Package / Case 100V 295A 295A 295A 295A 10V 5v @ 8mA 23000pF @ 25V 23000pF @ 25V 250V 250V 250V 250V Chassis Mount Son (Max) @ Id, Vgs Chassis Mount Son (Max) @ Id, Vgs Son (Max) @ Id, Vgs	FET Type	N-Channel
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 279nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) #20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.5 mOhm @ 50A, 10V Operating Temperature 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) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.5 mOhm @ 50A, 10V Operating Temperature Chassis Mount Supplier Device Package Package / Case SOT-227B SOT-227-4, miniBLOC	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 279nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1070W (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	Current - Continuous Drain (Id) @ 25°C	295A
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 23000pF @ 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 23000pF @ 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 SOT-227B Package / Case SOT-227-4, miniBLOC	Vgs(th) (Max) @ Id	5V @ 8mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)1070W (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	279nC @ 10V
FET Feature - 1070W (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	Input Capacitance (Ciss) (Max) @ Vds	23000pF @ 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)	1070W (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?

IXFN300N10P 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.

IXFN300N10P Payment Methods





















IXFN300N10P Shipping Methods













If you have any question about IXFN300N10P, please do not hesitate to contact us!

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