



IXTX24N100 Information



For Reference Only

Part Number IXTX24N100

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 1000V 24A PLUS247

Package TO-247-3

For the pricing/inventory/lead time, please contact

us

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



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IXTX24N100 Specifications

Manufacturer Part Number IXTX24N100 Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-247-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1000V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 267nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 8700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 568W (Tc) Rds On (Max) @ Id, Vgs 400 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS247?-3 Package / Case TO-247-3		
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Package TO-247-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1000V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 267nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 8700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 568W (Tc) Rds On (Max) @ Id, Vgs 400 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS247?-3 Package / Case TO-247-3	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1000V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 267nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 8700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 568W (Tc) Rds On (Max) @ Id, Vgs 400 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS247:-3 Package / Case TO-247-3		Transistors - FETs, MOSFETs - Single
FET Type Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 400 mOhm @ 12A, 10V Operating Temperature Supplier Device Package PLUS247?-3 Package / Case MOSFET (Metal Oxide) MOSFET (Metal Oxide) MOSFET (Metal Oxide) 1000 24A (Tc)	Package	TO-247-3
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id S.5V @ 8mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 400 mOhm @ 12A, 10V Operating Temperature Supplier Device Package PLUS247?-3 Package / Case MOSFET (Metal Oxide) 1000V 24A (Tc) 24C 24A (Tc) 24A (Tc) 24A (Tc) 24C 24C 24A (Tc) 24C 24C 24A (Tc) 24C 24C 24C 24C 24C 24C 24C 24	Series	-
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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 1nput Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 400 mOhm @ 12A, 10V Operating Temperature Supplier Device Package PLUS247?-3 Package / Case 24A (Tc) 25V 8700pF @ 25V 470V 470V 470V 470 mOhm @ 12A, 10V 47	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 5.5V @ 8mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 400 mOhm @ 12A, 10V Operating Temperature Supplier Device Package PLUS247?-3 Package / Case 10V 5.5V @ 8mA 5.5V @ 8mA 5.5V @ 10V 8700pF @ 25V 40V 8700pF @ 25V 400 mOhm @ 12A 10V 11V 11V 11V 11V 11V 11V 11	Drain to Source Voltage (Vdss)	1000V
Vgs(th) (Max) @ Id 5.5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 267nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 8700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 568W (Tc) Rds On (Max) @ Id, Vgs 400 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS247?-3 Package / Case TO-247-3	Current - Continuous Drain (Id) @ 25°C	24A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 8700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 400 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS247?-3 Package / Case TO-247-3	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) S68W (Tc) Rds On (Max) @ Id, Vgs 400 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS247?-3 Package / Case TO-247-3	Vgs(th) (Max) @ Id	5.5V @ 8mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)568W (Tc)Rds On (Max) @ Id, Vgs400 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePLUS247?-3Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	267nC @ 10V
FET Feature - FET Feature - Feature - Fet Fet Feature - Fet	Input Capacitance (Ciss) (Max) @ Vds	8700pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 400 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS247?-3 Package / Case TO-247-3	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs400 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePLUS247?-3Package / CaseTO-247-3	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS247?-3 Package / Case TO-247-3	Power Dissipation (Max)	568W (Tc)
Mounting Type Through Hole Supplier Device Package PLUS247?-3 Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	400 mOhm @ 12A, 10V
Supplier Device Package PLUS247?-3 Package / Case TO-247-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-247-3	Mounting Type	Through Hole
•	Supplier Device Package	PLUS247?-3
Report errors?	Package / Case	TO-247-3
		Report errors?

IXTX24N100 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.

IXTX24N100 Payment Methods



















IXTX24N100 Shipping Methods













If you have any question about IXTX24N100, please do not hesitate to contact us!

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