



## **IXFA14N85XHV Information**



For Reference Only

Part Number IXFA14N85XHV

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 850V 14A TO263-3

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

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.









# IXFA14N85XHV Specifications

Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         HiPerFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         850V           Current - Continuous Drain (Id) @ 25°C         14A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         30nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1043pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         460W (Tc)           Rds On (Max) @ Id, Vgs         550 mOhm @ 500mA, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-263 (IXFA)		
Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single  Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Series HiPerFET? FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) S50V Current - Continuous Drain (Id) @ 25°C 14A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ ImA Gate Charge (Qg) (Max) @ Vgs 30nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1043pF @ 25V Vgs (Max) +30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXFA) Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer Part Number	IXFA14N85XHV
Transistors - FETs, MOSFETs - Single	Manufacturer	IXYS
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Series HiPerFET? FET Type N-Channel Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 850V Current - Continuous Drain (Id) @ 25°C 14A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ ImA Gate Charge (Qg) (Max) @ Vgs 30nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1043pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) 460W (Tc) Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXFA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Category	Discrete Semiconductor Products
Series HiPerFET?  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 850V  Current - Continuous Drain (Id) @ 25°C 14A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 5.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs 30nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 1043pF @ 25V  Vgs (Max) ±30V  FET Feature  Power Dissipation (Max) 460W (Tc)  Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 10V  Operating Temperature 55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package TO-263 (IXFA)  Package / Case Toology (Max) Package   TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		Transistors - FETs, MOSFETs - Single
FET Type Technology MOSFET (Metal Oxide)  Brain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C  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  Operating Temperature  Supplier Device Package  TO-263 (IXFA)  Package / Case  N-Channel  N-Ch	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology  Drain to Source Voltage (Vdss)  850V  Current - Continuous Drain (Id) @ 25°C  14A (Tc)  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  Operating Temperature  - Surface Mount  Supplier Device Package  TO-263 (IXFA)  Package / Case  Max Rds On (Max)  850V  104 (Tc)  14A (Tc)  16V  16V  16V  16V  16V  16V  16V  16	Series	HiPerFET?
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  14A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  5.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  1043pF @ 25V  Vgs (Max)  **ET Feature**  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  550 mOhm @ 500mA, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  TO-263 (IXFA)  Package / Case  **Case  104 (Tc)  14A (Tc)  16V  15V  16V  16V  16V  16V  16V  16V	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 14A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 5.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs 30nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 1043pF @ 25V  Vgs (Max) ±30V  FET Feature - Power Dissipation (Max) 460W (Tc)  Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package TO-263 (IXFA)  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  S.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Sometimes Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-263 (IXFA)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	850V
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  Operating Temperature  Found Temperature  Surface Mount  Supplier Device Package  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	14A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Journal Type  Surface Mount  Supplier Device Package  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  1043pF @ 25V  Vgs (Max)  ET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  550 mOhm @ 500mA, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-263 (IXFA)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	5.5V @ 1mA
Vgs (Max) ±30V  FET Feature -  Power Dissipation (Max) 460W (Tc)  Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package TO-263 (IXFA)  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	30nC @ 10V
FET Feature - 460W (Tc) Rds On (Max) @ Id, Vgs 550 mOhm @ 500mA, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package TO-263 (IXFA)  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Input Capacitance (Ciss) (Max) @ Vds	1043pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  550 mOhm @ 500mA, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-263 (IXFA)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs550 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-263 (IXFA)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  TO-263 (IXFA)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	460W (Tc)
Mounting Type Surface Mount  Supplier Device Package TO-263 (IXFA)  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	550 mOhm @ 500mA, 10V
Supplier Device Package TO-263 (IXFA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Mounting Type	Surface Mount
	Supplier Device Package	TO-263 (IXFA)
Report errors?	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
		Report errors?

#### **IXFA14N85XHV** 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.

## **IXFA14N85XHV Payment Methods**



















### **IXFA14N85XHV Shipping Methods**













If you have any question about IXFA14N85XHV, please do not hesitate to contact us!

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