



### IXFA230N075T2 Information



For Reference Only

Part Number IXFA230N075T2

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 75V 230A TO-263AA

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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# **IXFA230N075T2 Specifications**

Category  Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single  Package  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Series  HiPerFET?, TrenchT2?  FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Tourent - 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  Ago On (Max) @ Id, Vgs  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  N-C-263 (LXFA)  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  HiPerFET?, TrenchT2?  Top-263-3, D2Pak (2 Leads + Tab), TO-263AB  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  To-263AB  To-263-3, D2Pak (2 Leads + Tab), TO-263AB  To-263AB  To-263-3, D2Pak (2 Leads + Tab), TO-263AB  To-263AB		
Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         HiPerFET?, TrenchT2?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         75V           Current - Continuous Drain (Id) @ 25°C         230A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ ImA           Gate Charge (Qg) (Max) @ Vgs         178nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         10500pF @ 25V           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         480W (Tc)           Rds On (Max) @ Id, Vgs         4.2 mOhm @ 50A, 10V           Operating Temperature         -55°C ~ 175°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	IXFA230N075T2
Transistors - FETs, MOSFETs - Single	Manufacturer	IXYS
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Series HiPerFET?, TrenchT2?  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 75V  Current - Continuous Drain (Id) @ 25°C 230A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 4V @ 1mA  Gate Charge (Qg) (Max) @ Vgs 178nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 10500pF @ 25V  Vgs (Max) -  FET Feature -  Power Dissipation (Max) 480W (Tc)  Rds On (Max) @ Id, Vgs 4.2 mOhm @ 50A, 10V  Operating Temperature -55°C ~ 175°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?, TrenchT2?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         75V           Current - Continuous Drain (Id) @ 25°C         230A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         178nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         10500pF @ 25V           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         480W (Tc)           Rds On (Max) @ Id, Vgs         4.2 mOhm @ 50A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-263 (IXFA)           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		Transistors - FETs, MOSFETs - Single
FET Type  N-Channel  MOSFET (Metal Oxide)  Drain 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  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  - FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  42 mOhm @ 50A, 10V  Operating Temperature  Supplier Device Package  TO-263 (IXFA)  Package / Case  N-Channel  NOSFET (Metal Oxide)  NOSFET (Metal Oxide)  NOSFET (Metal Oxide)  10V  230A (Tc)  10V  4V @ 1mA  4V @ 1mA  1780C @ 10V  1780C	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  230A (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  4.2 mOhm @ 50A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  TO-263 (IXFA)  Package / Case  Max On (Max) (Vds)  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Series	HiPerFET?, TrenchT2?
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  230A (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 Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 230A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 4V @ 1mA  Gate Charge (Qg) (Max) @ Vgs 178nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 10500pF @ 25V  Vgs (Max) -  FET Feature -  Power Dissipation (Max) 480W (Tc)  Rds On (Max) @ Id, Vgs 4.2 mOhm @ 50A, 10V  Operating Temperature -55°C ~ 175°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  Gate Charge (Qg) (Max) @ Vgs  178nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  - FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  4.2 mOhm @ 50A, 10V  Operating Temperature  Surplier Device Package  TO-263 (IXFA)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	75V
Vgs(th) (Max) @ Id       4V @ 1mA         Gate Charge (Qg) (Max) @ Vgs       178nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       10500pF @ 25V         Vgs (Max)       -         FET Feature       -         Power Dissipation (Max)       480W (Tc)         Rds On (Max) @ Id, Vgs       4.2 mOhm @ 50A, 10V         Operating Temperature       -55°C ~ 175°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       TO-263 (IXFA)         Package / Case       TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	230A (Tc)
Gate Charge (Qg) (Max) @ Vgs 178nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 10500pF @ 25V  Vgs (Max) -  FET Feature -  Power Dissipation (Max) 480W (Tc)  Rds On (Max) @ Id, Vgs 4.2 mOhm @ 50A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package TO-263 (IXFA)  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  10500pF @ 25V  Vgs (Max)  - FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  4.2 mOhm @ 50A, 10V  Operating Temperature  -55°C ~ 175°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	4V @ 1mA
Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  4.2 mOhm @ 50A, 10V  Operating Temperature  -55°C ~ 175°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	178nC @ 10V
FET Feature  Power Dissipation (Max)  480W (Tc)  Rds On (Max) @ Id, Vgs  4.2 mOhm @ 50A, 10V  Operating Temperature  -55°C ~ 175°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	10500pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  4.2 mOhm @ 50A, 10V  Operating Temperature  -55°C ~ 175°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)	-
Rds On (Max) @ Id, Vgs4.2 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°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 ~ 175°C (TJ)  Mounting Type  Surface Mount  TO-263 (IXFA)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	480W (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	4.2 mOhm @ 50A, 10V
Supplier Device Package TO-263 (IXFA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 175°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?

#### IXFA230N075T2 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.

## **IXFA230N075T2 Payment Methods**



















# **IXFA230N075T2 Shipping Methods**













If you have any question about IXFA230N075T2, please do not hesitate to contact us!

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