



### IXTH80N075L2 Information



For Reference Only

Part Number IXTH80N075L2

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 75V 80A TO247

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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## IXTH80N075L2 Specifications

Manufacturer Part Number         IXTH80N075L2           Manufacturer         IXYS           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-247-3           Series         Linear L.2?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         75 V           Current - Continuous Drain (Id) @ 25°C         80A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4.5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         103nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         3600pF @ 25V           Vgs (Max)         ± 20V           FET Feature         -           Power Dissipation (Max)         357W (Tc)           Rds On (Max) @ Id, Vgs         24 mOhm @ 40A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-247           Package / Case         TO-247-3           Report errors?		
Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-247-3           Series         Linear L2?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         75 V           Current - Continuous Drain (Id) @ 25°C         80A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         103nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         3600pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         357W (Tc)           Rds On (Max) @ Id, Vgs         24 mOhm @ 40A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-247-           Package / Case         TO-247-3	Manufacturer Part Number	IXTH80N075L2
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Series         Linear L2?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         75 V           Current - Continuous Drain (Id) @ 25°C         80A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10 V           Vgs(th) (Max) @ Id         4.5 V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         103nC @ 10 V           Input Capacitance (Ciss) (Max) @ Vds         3600pF @ 25 V           Vgs (Max)         ±20 V           FET Feature         -           Power Dissipation (Max)         357W (Tc)           Rds On (Max) @ Id, Vgs         24 mOhm @ 40A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-247           Package / Case         TO-247-3		Transistors - FETs, MOSFETs - Single
FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  75V  Current - Continuous Drain (Id) @ 25°C  Boy Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Supplier Device Package  Package / Case  N-Channel  MOSFET (Metal Oxide)  MOSFET (Metal Oxide)  MOSFET (Metal Oxide)  15V  80A (Tc)  80A (Tc	Package	TO-247-3
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  80A (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  Supplier Device Package  Package / Case  MOSFET (Metal Oxide)  75V  80A (Tc)	Series	Linear L2?
Drain to Source Voltage (Vdss)75VCurrent - Continuous Drain (Id) @ 25°C80A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 250μAGate Charge (Qg) (Max) @ Vgs103nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3600pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)357W (Tc)Rds On (Max) @ Id, Vgs24 mOhm @ 40A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  10V  Vgs(th) (Max) @ Id  4.5V @ 250μA  Gate Charge (Qg) (Max) @ Vgs  103nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  24 mOhm @ 40A, 10V  Operating Temperature  Supplier Device Package  TO-247  Package / Case  80A (Tc)  80A (Tc)  80A (Tc)  80A (Tc)	Technology	MOSFET (Metal Oxide)
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-247-3	Drain to Source Voltage (Vdss)	75V
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  Package / Case  4.5V @ 250μA  103nC @ 10V  3600pF @ 25V  ±20V  FET (Feature  -  Power Dissipation (Max)  357W (Tc)  24 mOhm @ 40A, 10V  -55°C ~ 150°C (TJ)  Through Hole  TO-247  TO-247-3	Current - Continuous Drain (Id) @ 25°C	80A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ±20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Joperating Type  Through Hole  Supplier Device Package  TO-247  Package / Case  103nC @ 10V  3600pF @ 25V  24 mOhm  40A, 10V  755°C ~ 150°C (TJ)  Through Hole  TO-247	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Through Hole  Supplier Device Package  TO-247  Package / Case  3600pF @ 25V  24V  25V  24V  Package / Case  3600pF @ 25V  25V  24V  Through Hole  75°C ~ 150°C (TJ)  Through Hole	Vgs(th) (Max) @ Id	4.5V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)357W (Tc)Rds On (Max) @ Id, Vgs24 mOhm @ 40A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	103nC @ 10V
FET Feature - Power Dissipation (Max) 357W (Tc) Rds On (Max) @ Id, Vgs 24 mOhm @ 40A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3	Input Capacitance (Ciss) (Max) @ Vds	3600pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  24 mOhm @ 40A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-247  Package / Case  TO-247-3	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs24 mOhm @ 40A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-247  Package / Case  TO-247-3	Power Dissipation (Max)	357W (Tc)
Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	24 mOhm @ 40A, 10V
Supplier Device Package TO-247 Package / Case TO-247-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-247-3	Mounting Type	Through Hole
	Supplier Device Package	TO-247
Report errors?	Package / Case	TO-247-3
		Report errors?

#### IXTH80N075L2 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.

### IXTH80N075L2 Payment Methods



















## **IXTH80N075L2 Shipping Methods**













If you have any question about IXTH80N075L2, please do not hesitate to contact us!

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