



IXFH40N50Q2 Information



For Reference Only

Part Number IXFH40N50Q2

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 500V 40A TO-247

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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IXFH40N50Q2 Specifications

Manufacturer Part Number IXFH40N50Q2 Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-247-3 Series HiPerFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 40A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 4mA Gate Charge (Qg) (Max) @ Vgs 110nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 560W (Tc) Rds On (Max) @ Id, Vgs 160 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-247-3 Series HiPerFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Torin to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 40A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 110nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 160 mOhm @ 500mA, 10V Operating Temperature Mounting Type Through Hole Supplier Device Package TO-247-3 TO-247-3	Manufacturer Part Number	IXFH40N50Q2
Package TO-247-3 Series HiPerFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 40A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 4mA Gate Charge (Qg) (Max) @ Vgs 110nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 560W (Tc) Rds On (Max) @ Id, Vgs 160 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3	Manufacturer	IXYS
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Series HiPerFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 40A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 4mA Gate Charge (Qg) (Max) @ Vgs 110nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 560W (Tc) Rds On (Max) @ Id, Vgs 160 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C40A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 4mAGate Charge (Qg) (Max) @ Vgs110nC @ 10VInput Capacitance (Ciss) (Max) @ Vds4850pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)560W (Tc)Rds On (Max) @ Id, Vgs160 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247AD (IXFH)Package / CaseTO-247-3	Package	TO-247-3
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 40A (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 160 mOhm @ 500mA, 10V Operating Temperature Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3	Series	HiPerFET?
Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C40A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 4mAGate Charge (Qg) (Max) @ Vgs110nC @ 10VInput Capacitance (Ciss) (Max) @ Vds4850pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)560W (Tc)Rds On (Max) @ Id, Vgs160 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247AD (IXFH)Package / CaseTO-247-3	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4.5V @ 4mA Gate Charge (Qg) (Max) @ Vgs 110nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) ### ### ### ### ### ### ### ### ### #	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4.5V @ 4mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs I60 mOhm @ 500mA, 10V Operating Temperature Supplier Device Package TO-247AD (IXFH) Package / Case	Drain to Source Voltage (Vdss)	500V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) As 90 (Max) @ Id, Vgs Input Capacitance (Ciss) (Max) @ Vds FET Feature Power Dissipation (Max) To-247-AD (IXFH) To-247-3	Current - Continuous Drain (Id) @ 25°C	40A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 160 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-AD (IXFH) Package / Case	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 160 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case	Vgs(th) (Max) @ Id	4.5V @ 4mA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)560W (Tc)Rds On (Max) @ Id, Vgs160 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247AD (IXFH)Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	110nC @ 10V
FET Feature - FET FE	Input Capacitance (Ciss) (Max) @ Vds	4850pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 160 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs 160 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3	Power Dissipation (Max)	560W (Tc)
Mounting Type Through Hole Supplier Device Package TO-247AD (IXFH) Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	160 mOhm @ 500mA, 10V
Supplier Device Package TO-247AD (IXFH) 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-247AD (IXFH)
Report errors?	Package / Case	TO-247-3
		Report errors?

IXFH40N50Q2 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.

IXFH40N50Q2 Payment Methods



















IXFH40N50Q2 Shipping Methods













If you have any question about IXFH40N50Q2, please do not hesitate to contact us!

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