



IXFH16N60P3 Information

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For Reference Only

Part Number IXFH16N60P3

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 600V 16A 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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IXFH16N60P3 Specifications

Manufacturer Part Number IXFH16N60P3 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) 600V Current - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 1.5mA Gate Charge (Qg) (Max) @ Vgs 36nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1830pF @ 25V Vgs (Max) 1830pF @ 25V Vgs (Max) 430V FET Feature - Power Dissipation (Max) 347W (Tc) Rds On (Max) @ Id, Vgs 470 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 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) Parin 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 A70 mOhm @ 500mA, 10V Operating Temperature Mounting Type Through Hole Supplier Device Package TO-247- Package / Case	Manufacturer Part Number	IXFH16N60P3
Package TO-247-3 Series HiPerFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 1.5mA Gate Charge (Qg) (Max) @ Vgs 36nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1830pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 347W (Tc) Rds On (Max) @ Id, Vgs 470 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 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) 600V Current - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 1.5mA Gate Charge (Qg) (Max) @ Vgs 36nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1830pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 347W (Tc) Rds On (Max) @ Id, Vgs 470 mOhm @ 500mA, 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 TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C16A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 1.5mAGate Charge (Qg) (Max) @ Vgs36nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1830pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)347W (Tc)Rds On (Max) @ Id, Vgs470 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	Package	TO-247-3
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sv @ 1.5mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs Ar0 mOhm @ 500mA, 10V Operating Temperature Supplier Device Package TO-247 Package / Case MOSFET (Metal Oxide) 600V MOSFET (Metal Oxide) 600V 600V 16A (Tc) 16A (Tc) 16A (Tc) 16A (Tc) 16A (Tc) 16V 5V @ 1.5mA 36nC @ 10V 1830pF @ 25V 25V 25V 25V 25V 25V 25V 25V	Series	HiPerFET?
Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C16A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 1.5mAGate Charge (Qg) (Max) @ Vgs36nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1830pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)347W (Tc)Rds On (Max) @ Id, Vgs470 mOhm @ 500mA, 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) Vgs(th) (Max) @ Id Sv @ 1.5mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 470 mOhm @ 500mA, 10V Operating Temperature Supplier Device Package Package / Case 16A (Tc) 16A (T	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 5V @ 1.5mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 470 mOhm @ 500mA, 10V Operating Temperature Supplier Device Package TO-247 Package / Case TO-247-3	Drain to Source Voltage (Vdss)	600V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Is30pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) And The Mohm @ 500mA, 10V Operating Temperature Supplier Device Package TO-247 Package / Case TO-247-3	Current - Continuous Drain (Id) @ 25°C	16A (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 Jemperature Jemperatur	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 1830pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 470 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3	Vgs(th) (Max) @ Id	5V @ 1.5mA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)347W (Tc)Rds On (Max) @ Id, Vgs470 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	36nC @ 10V
FET Feature - Graduate - FET Feature - Supplier Device Package / Case - Graduate - Gradu	Input Capacitance (Ciss) (Max) @ Vds	1830pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 470 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs470 mOhm @ 500mA, 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)	347W (Tc)
Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	470 mOhm @ 500mA, 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?

IXFH16N60P3 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.

IXFH16N60P3 Payment Methods



















IXFH16N60P3 Shipping Methods













If you have any question about IXFH16N60P3, please do not hesitate to contact us!

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