



IXFR48N60Q3 Information



For Reference Only

Part Number IXFR48N60Q3

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 600V 32A ISOPLUS247

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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IXFR48N60Q3 Specifications

Manufacturer Part Number IXFR48N60Q3 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 32A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 6.5V @ 4mA Gate Charge (Qg) (Max) @ Vgs 140nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 7020pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 500W (Tc) Rds On (Max) @ Id, Vgs 154 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package ISOPLUS247? Package / Case TO-247-3 Report errors?		
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FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C32A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id6.5V @ 4mAGate Charge (Qg) (Max) @ Vgs140nC @ 10VInput Capacitance (Ciss) (Max) @ Vds7020pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)500W (Tc)Rds On (Max) @ Id, Vgs154 mOhm @ 24A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageISOPLUS247?Package / CaseTO-247-3	Package	TO-247-3
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 32A (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 154 mOhm @ 24A, 10V Operating Temperature Supplier Device Package Package / Case MOSFET (Metal Oxide) 600V 32A (Tc) 40V 50Ve 4mA 7020pF @ 25V 25V 25V 25V 25V 25V 25V 25V	Series	HiPerFET?
Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C32A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id6.5V @ 4mAGate Charge (Qg) (Max) @ Vgs140nC @ 10VInput Capacitance (Ciss) (Max) @ Vds7020pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)500W (Tc)Rds On (Max) @ Id, Vgs154 mOhm @ 24A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageISOPLUS247?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 6.5V @ 4mA Gate Charge (Qg) (Max) @ Vgs 140nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 7020pF @ 25V Vgs (Max) ### ### ### ### #### ###############	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 6.5V @ 4mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 154 mOhm @ 24A, 10V Operating Temperature Operating Type Through Hole Supplier Device Package Package / Case 100 100 6.5V @ 4mA 6.5V	Drain to Source Voltage (Vdss)	600V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 7020pF @ 25V Vgs (Max) ### ### ############################	Current - Continuous Drain (Id) @ 25°C	32A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 7020pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 154 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package ISOPLUS247? Package / Case TO-247-3	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 7020pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 154 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package ISOPLUS247? Package / Case TO-247-3	Vgs(th) (Max) @ Id	6.5V @ 4mA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)500W (Tc)Rds On (Max) @ Id, Vgs154 mOhm @ 24A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageISOPLUS247?Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	140nC @ 10V
FET Feature - Comparison - FET Feature - Soow (Tc) Rds On (Max) @ Id, Vgs	Input Capacitance (Ciss) (Max) @ Vds	7020pF @ 25V
Power Dissipation (Max) 500W (Tc) Rds On (Max) @ Id, Vgs 154 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package ISOPLUS247? Package / Case TO-247-3	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs154 mOhm @ 24A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageISOPLUS247?Package / CaseTO-247-3	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package ISOPLUS247? Package / Case TO-247-3	Power Dissipation (Max)	500W (Tc)
Mounting Type Through Hole Supplier Device Package ISOPLUS247? Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	154 mOhm @ 24A, 10V
Supplier Device Package ISOPLUS247? Package / Case TO-247-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-247-3	Mounting Type	Through Hole
	Supplier Device Package	ISOPLUS247?
Report errors?	Package / Case	TO-247-3
		Report errors?

IXFR48N60Q3 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.

IXFR48N60Q3 Payment Methods



















IXFR48N60Q3 Shipping Methods













If you have any question about IXFR48N60Q3, please do not hesitate to contact us!

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