



IXFC52N30P Information

Heisener.com

Part Number IXFC52N30P

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 300V 24A ISOPLUS220

Package ISOPLUS220?

For the pricing/inventory/lead time, please contact

us

For Reference Only Website: https://www.heisener.com

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IXFC52N30P Specifications

Manufacturer Part NumberIXFC52N30PManufacturerIXYSCategoryDiscrete Semiconductor Products Transistors - FETs, MOSFETs - SinglePackageISOPLUS220?SeriesPolarHT? HiPerFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)300VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 4mAGate Charge (Qg) (Max) @ Vgs110nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3490pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)100W (Tc)Rds On (Max) @ Id, Vgs75 mOhm @ 26A, 10VOperating Temperature.55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageISOPLUS220?Package / CaseISOPLUS220?Report errors?		
CategoryDiscrete Semiconductor ProductsPackageISOPLUS220?SeriesPolarHT? HiPerFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)300VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 4mAGate Charge (Qg) (Max) @ Vgs110nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3490pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)100W (Tc)Rds On (Max) @ Id, Vgs75 mOhm @ 26A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageISOPLUS220?Package / CaseISOPLUS220?	Manufacturer Part Number	IXFC52N30P
Package ISOPLUS220? Series PolarHT? HiPerFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 300V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 4mA Gate Charge (Qg) (Max) @ Vgs 110nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3490pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 75 mOhm @ 26A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package ISOPLUS20? Package / Case ISOPLUS20?	Manufacturer	IXYS
Package ISOPLUS220? Series PolarHT? HiPerFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 300V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 4mA Gate Charge (Qg) (Max) @ Vgs 110nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3490pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 75 mOhm @ 26A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package ISOPLUS220? Package / Case ISOPLUS220?	Category	Discrete Semiconductor Products
Series PolarHT? HiPerFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 300V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 4mA Gate Charge (Qg) (Max) @ Vgs 110nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3490pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 75 mOhm @ 26A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package ISOPLUS220? Package / Case ISOPLUS220?		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)300VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 4mAGate Charge (Qg) (Max) @ Vgs110nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3490pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)100W (Tc)Rds On (Max) @ Id, Vgs75 mOhm @ 26A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageISOPLUS220?Package / CaseISOPLUS220?	Package	ISOPLUS220?
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 24A (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 -55°C ~ 150°C (TJ) Mounting Type Supplier Device Package Package / Case MOSFET (Metal Oxide) 300V 204A (Tc) 24A	Series	PolarHT? HiPerFET?
Drain to Source Voltage (Vdss)300VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 4mAGate Charge (Qg) (Max) @ Vgs110nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3490pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)100W (Tc)Rds On (Max) @ Id, Vgs75 mOhm @ 26A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageISOPLUS220?Package / CaseISOPLUS220?	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sty @ 4mA Gate Charge (Qg) (Max) @ Vgs 110nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) #20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 75 mOhm @ 26A, 10V Operating Temperature Supplier Device Package Package / Case ISOPLUS220?	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 5V @ 4mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 75 mOhm @ 26A, 10V Operating Temperature Operating Type Through Hole Supplier Device Package Package / Case ISOPLUS220?	Drain to Source Voltage (Vdss)	300V
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 Jemperature Supplier Device Package Package / Case SV @ 4mA 110nC @ 10V 140v 140v 150v 1	Current - Continuous Drain (Id) @ 25°C	24A (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 -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package ISOPLUS220?	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) E20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 75 mOhm @ 26A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package ISOPLUS220? Package / Case ISOPLUS220?	Vgs(th) (Max) @ Id	5V @ 4mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)100W (Tc)Rds On (Max) @ Id, Vgs75 mOhm @ 26A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageISOPLUS220?Package / CaseISOPLUS220?	Gate Charge (Qg) (Max) @ Vgs	110nC @ 10V
FET Feature - 100W (Tc) Rds On (Max) @ Id, Vgs 75 mOhm @ 26A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package ISOPLUS220? Package / Case ISOPLUS220?	Input Capacitance (Ciss) (Max) @ Vds	3490pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 75 mOhm @ 26A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package ISOPLUS220? Package / Case ISOPLUS220?	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs75 mOhm @ 26A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageISOPLUS220?Package / CaseISOPLUS220?	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package ISOPLUS220? Package / Case ISOPLUS220?	Power Dissipation (Max)	100W (Tc)
Mounting Type Through Hole Supplier Device Package ISOPLUS220? Package / Case ISOPLUS220?	Rds On (Max) @ Id, Vgs	75 mOhm @ 26A, 10V
Supplier Device Package ISOPLUS220? Package / Case ISOPLUS220?	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case ISOPLUS220?	Mounting Type	Through Hole
	Supplier Device Package	ISOPLUS220?
Report errors?	Package / Case	ISOPLUS220?
		Report errors?

IXFC52N30P 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.

IXFC52N30P Payment Methods



















IXFC52N30P Shipping Methods













If you have any question about IXFC52N30P, please do not hesitate to contact us!

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