



IXFB120N50P2 Information



For Reference Only

Part Number IXFB120N50P2

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 500V 120A PLUS264

Package TO-264-3, TO-264AA

For the pricing/inventory/lead time, please contact

us

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



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Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









IXFB120N50P2 Specifications

Manufacturer Part Number IXFB120N50P2 Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-264-3, TO-264AA Series HiPerFET?, PolarHV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 120A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 300nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 19000pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 1890W (Tc) Rds On (Max) @ Id, Vgs 43 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS264? Package / Case TO-264-3, TO-264AA		
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Series HiPerFET?, PolarHV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 120A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 300nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 19000pF @ 25V Vgs (Max) ±30V FET Feature Power Dissipation (Max) 1890W (Tc) Rds On (Max) @ Id, Vgs 43 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS264? Package / Case		Transistors - FETs, MOSFETs - Single
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Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 120A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sv @ 8mA Gate Charge (Qg) (Max) @ Vgs 19000pF @ 25V Vgs (Max) FET Feature -Power Dissipation (Max) Rds On (Max) @ Id, Vgs 43 mOhm @ 500mA, 10V Operating Temperature Supplier Device Package Package / Case MOSFET (Metal Oxide) MOSFET (Metal Oxide) 1900V 10V 120A (Tc)	Series	HiPerFET?, PolarHV?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 120A (Tc) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 19000pF @ 25V Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 43 mOhm @ 500mA, 10V Operating Temperature Supplier Device Package Package / Case 500V 120A (Tc) 12	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id SV @ 8mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 43 mOhm @ 500mA, 10V Operating Temperature Supplier Device Package Package / Case 120A (Tc) 120A	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 43 mOhm @ 500mA, 10V Operating Temperature Supplier Device Package PLUS264? Package / Case 10V 10V 5V @ 8mA 19000pF @ 25V 19000pF @ 25V 25V 25V 25V 25V 25V 25V 25V	Drain to Source Voltage (Vdss)	500V
Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 300nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 19000pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 1890W (Tc) Rds On (Max) @ Id, Vgs 43 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS264? Package / Case TO-264-3, TO-264AA	Current - Continuous Drain (Id) @ 25°C	120A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 19000pF @ 25V Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 43 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS264? Package / Case TO-264-3, TO-264AA	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 19000pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 43 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS264? Package / Case TO-264-3, TO-264AA	Vgs(th) (Max) @ Id	5V @ 8mA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)1890W (Tc)Rds On (Max) @ Id, Vgs43 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePLUS264?Package / CaseTO-264-3, TO-264AA	Gate Charge (Qg) (Max) @ Vgs	300nC @ 10V
FET Feature - Rower Dissipation (Max) 1890W (Tc) Rds On (Max) @ Id, Vgs 43 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS264? Package / Case TO-264-3, TO-264AA	Input Capacitance (Ciss) (Max) @ Vds	19000pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 43 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS264? Package / Case TO-264-3, TO-264AA	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs43 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePLUS264?Package / CaseTO-264-3, TO-264AA	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS264? Package / Case TO-264-3, TO-264AA	Power Dissipation (Max)	1890W (Tc)
Mounting Type Through Hole Supplier Device Package PLUS264? Package / Case TO-264-3, TO-264AA	Rds On (Max) @ Id, Vgs	43 mOhm @ 500mA, 10V
Supplier Device Package PLUS264? Package / Case TO-264-3, TO-264AA	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-264-3, TO-264AA	Mounting Type	Through Hole
	Supplier Device Package	PLUS264?
Report errors?	Package / Case	TO-264-3, TO-264AA
		Report errors?

IXFB120N50P2 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.

IXFB120N50P2 Payment Methods



















IXFB120N50P2 Shipping Methods













If you have any question about IXFB120N50P2, please do not hesitate to contact us!

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