



IXTP24P085T Information

www.heiseper.com

For Reference Only

Part Number IXTP24P085T

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET P-CH 85V 24A TO-220

Package TO-220-3

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

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.









IXTP24P085T Specifications

Manufacturer Part Number IXTP24P085T Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Series TrenchP? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 85V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 4lnC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2090pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 83W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3		
CategoryDiscrete Semiconductor ProductsPackageTO-220-3SeriesTrenchP?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)85VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 250μAGate Charge (Qg) (Max) @ Vgs41nC@ 10VInput Capacitance (Ciss) (Max) @ Vds2090pF @ 25VVgs (Max)±15VFET Feature-Power Dissipation (Max)83W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220AB	Manufacturer Part Number	IXTP24P085T
Package TO-220-3 Series TrenchP? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 85V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 41nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2090pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 83W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Manufacturer	IXYS
Package TO-220-3 Series TrenchP? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 85V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 4lnC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2090pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 83W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Category	Discrete Semiconductor Products
Series TrenchP? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 85V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 41nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2090pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 83W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 85V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 4lnC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2090pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 83W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package 70-220AB Package / Case	Package	TO-220-3
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)85VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 250μAGate Charge (Qg) (Max) @ Vgs41nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2090pF @ 25VVgs (Max)±15VFET Feature-Power Dissipation (Max)83W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Series	TrenchP?
Drain to Source Voltage (Vdss)85VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 250μAGate Charge (Qg) (Max) @ Vgs41nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2090pF @ 25VVgs (Max)±15VFET Feature-Power Dissipation (Max)83W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	FET Type	P-Channel
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 65 mOhm @ 12A, 10V Operating Temperature Mounting Type Through Hole Supplier Device Package Package / Case 24A (Tc) 250 μ 36 370 (250 μ 370	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4.5V @ 250μAGate Charge (Qg) (Max) @ Vgs41nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2090pF @ 25VVgs (Max)±15VFET Feature-Power Dissipation (Max)83W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Drain to Source Voltage (Vdss)	85V
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 Operating Type Through Hole Supplier Device Package Package / Case 4.5V @ 250μA 4.1nC @ 10V 4.5V @ 25V 4.1nC @ 10V 6.590μF @ 25V 4.5V 6.5 mOhm @ 12A, 10V 6.5 mOhm @ 12A, 10V 7.55°C ~ 150°C (TJ) Through Hole TO-220AB TO-220-3	Current - Continuous Drain (Id) @ 25°C	24A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case 41nC @ 10V 2090pF @ 25V E15V E15V FET (Feature	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 65 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Vgs(th) (Max) @ Id	4.5V @ 250μA
Vgs (Max)±15VFET Feature-Power Dissipation (Max)83W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Gate Charge (Qg) (Max) @ Vgs	41nC @ 10V
FET Feature - Power Dissipation (Max) 83W (Tc) Rds On (Max) @ Id, Vgs 65 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Input Capacitance (Ciss) (Max) @ Vds	2090pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 65 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Vgs (Max)	±15V
Rds On (Max) @ Id, Vgs 65 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Power Dissipation (Max)	83W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Rds On (Max) @ Id, Vgs	65 mOhm @ 12A, 10V
Supplier Device Package TO-220AB Package / Case TO-220-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-220-3	Mounting Type	Through Hole
	Supplier Device Package	TO-220AB
Report errors?	Package / Case	TO-220-3
		Report errors?

IXTP24P085T 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.

IXTP24P085T Payment Methods



















IXTP24P085T Shipping Methods













If you have any question about IXTP24P085T, please do not hesitate to contact us!

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