



IXTH220N075T Information



For Reference Only

Part Number IXTH220N075T

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 75V 220A 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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IXTH220N075T Specifications

Manufacturer Part Number IXTH220N075T Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-247-3 Series TrenchMV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 75V Current - Continuous Drain (Id) @ 25°C 220A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 165nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 7700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 480W (Tc) Rds On (Max) @ Id, Vgs 4.5 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 (IXTH) Package / Case TO-247-3		
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SeriesTrenchMV?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)75VCurrent - Continuous Drain (Id) @ 25°C220A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs165nC @ 10VInput Capacitance (Ciss) (Max) @ Vds7700pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)480W (Tc)Rds On (Max) @ Id, Vgs4.5 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247 (IXTH)		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)75 VCurrent - Continuous Drain (Id) @ 25°C220 A (Tc)Drive Voltage (Max Rds On, Min Rds On)10 VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs165nC @ 10 VInput Capacitance (Ciss) (Max) @ Vds7700pF @ 25 VVgs (Max)±20 VFET Feature-Power Dissipation (Max)480W (Tc)Rds On (Max) @ Id, Vgs4.5 mOhm @ 25A, 10 VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247 (IXTH)	Package	TO-247-3
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)75VCurrent - Continuous Drain (Id) @ 25°C220A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs165nC @ 10VInput Capacitance (Ciss) (Max) @ Vds7700pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)480W (Tc)Rds On (Max) @ Id, Vgs4.5 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247 (IXTH)	Series	TrenchMV?
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Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 7700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 480W (Tc) Rds On (Max) @ Id, Vgs 4.5 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package 700 220A (Tc) 240 45 mOhm 25 V 25 V 25 V 27 (TJ) Through Hole	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) $Vgs(th)$ (Max) @ Id $4V$ @ $250\mu A$ Gate Charge (Qg) (Max) @ Vgs $165nC$ @ $10V$ Input Capacitance (Ciss) (Max) @ Vds $7700pF$ @ $25V$ Vgs (Max) $\pm 20V$ FET Feature - Power Dissipation (Max) $480W$ (Tc) Rds On (Max) @ Id, Vgs 4.5 mOhm @ $25A$, $10V$ Operating Temperature $-55^{\circ}C \sim 175^{\circ}C$ (TJ) Mounting Type Through Hole Supplier Device Package $TO-247$ (IXTH)	Drain to Source Voltage (Vdss)	75V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 165nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 7700pF @ 25V Vgs (Max) +20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4.5 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 (IXTH)	Current - Continuous Drain (Id) @ 25°C	220A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 7700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 480W (Tc) Rds On (Max) @ Id, Vgs 4.5 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 (IXTH)	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 Operating Temperature Through Hole Supplier Device Package 7700pF @ 25V 7700pF @ 25V 420V 480W (Tc) 480W (Tc) 7700pF @ 25V 7700pF @ 2	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)480W (Tc)Rds On (Max) @ Id, Vgs4.5 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247 (IXTH)	Gate Charge (Qg) (Max) @ Vgs	165nC @ 10V
FET Feature - Power Dissipation (Max) 480W (Tc) Rds On (Max) @ Id, Vgs 4.5 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 (IXTH)	Input Capacitance (Ciss) (Max) @ Vds	7700pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4.5 mOhm @ 25A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 (IXTH)	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs4.5 mOhm @ 25A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247 (IXTH)	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 (IXTH)	Power Dissipation (Max)	480W (Tc)
Mounting Type Through Hole Supplier Device Package TO-247 (IXTH)	Rds On (Max) @ Id, Vgs	4.5 mOhm @ 25A, 10V
Supplier Device Package TO-247 (IXTH)	Operating Temperature	-55°C ~ 175°C (TJ)
	Mounting Type	Through Hole
Package / Case TO-247-3	Supplier Device Package	TO-247 (IXTH)
	Package / Case	TO-247-3
Report errors?		Report errors?

IXTH220N075T 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.

IXTH220N075T Payment Methods



















IXTH220N075T Shipping Methods













If you have any question about IXTH220N075T, please do not hesitate to contact us!

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