



IXTK180N15 Information

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For Reference Only

Part Number IXTK180N15

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 150V 180A TO-264

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.









IXTK180N15 Specifications

Manufacturer Part Number IXTK180N15 Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-264-3, TO-264AA Series MegaMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 150V Current - Continuous Drain (Id) @ 25°C 180A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 240nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 7000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 730W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case TO-264-3, TO-264AA		
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FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C180A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs240nC @ 10VInput Capacitance (Ciss) (Max) @ Vds7000pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)730W (Tc)Rds On (Max) @ Id, Vgs9 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-264 (IXTK)Package / CaseTO-264-3, TO-264AA	Package	TO-264-3, TO-264AA
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 180A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 100μ Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 500mA, 10V Operating Temperature - 55°C ~ 150°C (TJ) Mounting Type Supplier Device Package TO-264 (IXTK) Package / Case TO-264-3, TO-264AA	Series	MegaMOS?
Drain to Source Voltage (Vdss)150 VCurrent - Continuous Drain (Id) @ 25°C180 A (Tc)Drive Voltage (Max Rds On, Min Rds On)10 VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs240n C @ 10 VInput Capacitance (Ciss) (Max) @ Vds7000p F @ 25 VVgs (Max)±20 VFET Feature-Power Dissipation (Max)730 W (Tc)Rds On (Max) @ Id, Vgs9 mOhm @ 500m A, 10 VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-264 (IXTK)Package / CaseTO-264-3, TO-264AA	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1240nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 7000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs240nC @ 10VInput Capacitance (Ciss) (Max) @ Vds7000pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)730W (Tc)Rds On (Max) @ Id, Vgs9 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-264 (IXTK)Package / CaseTO-264-3, TO-264AA	Drain to Source Voltage (Vdss)	150V
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 Through Hole Supplier Device Package TO-264 (IXTK) Package / Case TO-264-3, TO-264AA	Current - Continuous Drain (Id) @ 25°C	180A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 7000pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case TO-264-3, TO-264AA	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 TO-264-3, TO-264AA	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)730W (Tc)Rds On (Max) @ Id, Vgs9 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-264 (IXTK)Package / CaseTO-264-3, TO-264AA	Gate Charge (Qg) (Max) @ Vgs	240nC @ 10V
FET Feature - T30W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case TO-264-3, TO-264AA	Input Capacitance (Ciss) (Max) @ Vds	7000pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 500mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case TO-264-3, TO-264AA	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs9 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-264 (IXTK)Package / CaseTO-264-3, TO-264AA	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case TO-264-3, TO-264AA	Power Dissipation (Max)	730W (Tc)
Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case TO-264-3, TO-264AA	Rds On (Max) @ Id, Vgs	9 mOhm @ 500mA, 10V
Supplier Device Package TO-264 (IXTK) 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	TO-264 (IXTK)
Report errors?	Package / Case	TO-264-3, TO-264AA
		Report errors?

IXTK180N15 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.

IXTK180N15 Payment Methods



















IXTK180N15 Shipping Methods













If you have any question about IXTK180N15, please do not hesitate to contact us!

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