



IXTK90N25L2 Information

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For Reference Only

Part Number IXTK90N25L2

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 250V 90A 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

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IXTK90N25L2 Specifications

Manufacturer Part Number IXTK90N25L2 Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-264-3, TO-264AA Series Linear L.2? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 250V Current - Continuous Drain (Id) @ 25°C 90A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 3mA Gate Charge (Qg) (Max) @ Vgs 640nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 960W (Tc) Rds On (Max) @ Id, Vgs 33 mOhm @ 45A, 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		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single TO-264-3, TO-264AA Series Linear L2? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Prive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ### 20V #### 20V ### 20V ##	Manufacturer Part Number	IXTK90N25L2
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Series Linear L2? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 90A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 3mA Gate Charge (Qg) (Max) @ Vgs 640nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23000pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) 960W (Tc) Rds On (Max) @ Id, Vgs 33 mOhm @ 45A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case		Transistors - FETs, MOSFETs - Single
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Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 90A (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 Supplier Device Package TO-264 (IXTK) Package / Case MOSFET (Metal Oxide) 250V 90A (Tc) 90A (Tc) 90A (Tc) 90A (Tc) 90B (Tc) 90B (Tc) 91B (To-264 (IXTK) 91B (IXTK)	Series	Linear L2?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Prive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4.5V @ 3mA Gate Charge (Qg) (Max) @ Vgs 640nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 33 mOhm @ 45A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 90A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4.5V @ 3mA Gate Charge (Qg) (Max) @ Vgs 640nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 960W (Tc) Rds On (Max) @ Id, Vgs 33 mOhm @ 45A, 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	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4.5V @ 3mA Gate Charge (Qg) (Max) @ Vgs 640nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 33 mOhm @ 45A, 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	Drain to Source Voltage (Vdss)	250V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 23000pF @ 25V Vgs (Max) #20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package TO-264 (IXTK) Package / Case 4.5V @ 3mA 640nC @ 10V 23000pF @ 25V 23000pF @ 25V ** ** ** ** ** ** ** ** **	Current - Continuous Drain (Id) @ 25°C	90A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 23000pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 33 mOhm @ 45A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case 640nC @ 10V 23000pF @ 25V 23000pF @ 25V 23000pF @ 25V 250V Through Hole Through Hole	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 23000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 33 mOhm @ 45A, 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(th) (Max) @ Id	4.5V @ 3mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)960W (Tc)Rds On (Max) @ Id, Vgs33 mOhm @ 45A, 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	640nC @ 10V
FET Feature - Power Dissipation (Max) 960W (Tc) Rds On (Max) @ Id, Vgs 33 mOhm @ 45A, 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	23000pF @ 25V
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	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs33 mOhm @ 45A, 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)	960W (Tc)
Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case TO-264-3, TO-264AA	Rds On (Max) @ Id, Vgs	33 mOhm @ 45A, 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?

IXTK90N25L2 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.

IXTK90N25L2 Payment Methods



















IXTK90N25L2 Shipping Methods













If you have any question about IXTK90N25L2, please do not hesitate to contact us!

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