



IXTK22N100L Information

www.helsener.com

For Reference Only

Part Number IXTK22N100L

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 1000V 22A 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



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.









IXTK22N100L Specifications

Manufacturer Part Number IXTK22N100L Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-264-3, TO-264AA Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1000V Current - Continuous Drain (Id) @ 25°C 22A (Tc) Drive Voltage (Max Rds On, Min Rds On) 20V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 270nC @ 15V Input Capacitance (Ciss) (Max) @ Vds 7050pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 700W (Tc) Rds On (Max) @ Id, Vgs 600 mOhm @ 11A, 20V 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 Package TO-264-3, TO-264AA Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1000V Current - Continuous Drain (Id) @ 25°C 22A (Tc) Drive Voltage (Max Rds On, Min Rds On) 20V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 270nC @ 15V Input Capacitance (Ciss) (Max) @ Vds 7050pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 700W (Tc) Rds On (Max) @ Id, Vgs 600 mOhm @ 11A, 20V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case TO-264-3, TO-264AA	Manufacturer Part Number	IXTK22N100L
Package TO-264-3, TO-264AA Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1000V Current - Continuous Drain (Id) @ 25°C 22A (Tc) Drive Voltage (Max Rds On, Min Rds On) 20V Vgs(th) (Max) @ Id 5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 270nC @ 15V Input Capacitance (Ciss) (Max) @ Vds 7050pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 700W (Tc) Rds On (Max) @ Id, Vgs 600 mOhm @ 11A, 20V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case TO-264-3, TO-264AA	Manufacturer	IXYS
Package TO-264-3, TO-264AA Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1000V Current - Continuous Drain (Id) @ 25°C 22A (Tc) Drive Voltage (Max Rds On, Min Rds On) 20V Vgs(th) (Max) @ Id 5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 270nC @ 15V Input Capacitance (Ciss) (Max) @ Vds 7050pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 700W (Tc) Rds On (Max) @ Id, Vgs 600 mOhm @ 11A, 20V 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
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1000V Current - Continuous Drain (Id) @ 25°C 22A (Tc) Drive Voltage (Max Rds On, Min Rds On) 20V Vgs(th) (Max) @ Id 5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 270nC @ 15V Input Capacitance (Ciss) (Max) @ Vds 7050pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 700W (Tc) Rds On (Max) @ Id, Vgs 600 mOhm @ 11A, 20V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case TO-264-3, TO-264AA		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)1000VCurrent - Continuous Drain (Id) @ 25°C22A (Tc)Drive Voltage (Max Rds On, Min Rds On)20VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs270nC @ 15VInput Capacitance (Ciss) (Max) @ Vds7050pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)700W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 11A, 20VOperating 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
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)1000VCurrent - Continuous Drain (Id) @ 25°C22A (Tc)Drive Voltage (Max Rds On, Min Rds On)20VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs270nC @ 15VInput Capacitance (Ciss) (Max) @ Vds7050pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)700W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 11A, 20VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-264 (IXTK)Package / CaseTO-264-3, TO-264AA	Series	-
Drain to Source Voltage (Vdss)1000VCurrent - Continuous Drain (Id) @ 25°C22A (Tc)Drive Voltage (Max Rds On, Min Rds On)20VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs270nC @ 15VInput Capacitance (Ciss) (Max) @ Vds7050pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)700W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 11A, 20VOperating 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°C22A (Tc)Drive Voltage (Max Rds On, Min Rds On)20VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs270nC @ 15VInput Capacitance (Ciss) (Max) @ Vds7050pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)700W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 11A, 20VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-264 (IXTK)Package / CaseTO-264-3, TO-264AA	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)20VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs270nC @ 15VInput Capacitance (Ciss) (Max) @ Vds7050pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)700W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 11A, 20VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-264 (IXTK)Package / CaseTO-264-3, TO-264AA	Drain to Source Voltage (Vdss)	1000V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 7050pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 700W (Tc) Rds On (Max) @ Id, Vgs 600 mOhm @ 11A, 20V 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	22A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 7050pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 600 mOhm @ 11A, 20V 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)	20V
Input Capacitance (Ciss) (Max) @ Vds 7050pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 600 mOhm @ 11A, 20V 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	5V @ 250μA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)700W (Tc)Rds On (Max) @ Id, Vgs600 mOhm @ 11A, 20VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-264 (IXTK)Package / CaseTO-264-3, TO-264AA	Gate Charge (Qg) (Max) @ Vgs	270nC @ 15V
FET Feature - To-264-AA	Input Capacitance (Ciss) (Max) @ Vds	7050pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 600 mOhm @ 11A, 20V 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)	±30V
Rds On (Max) @ Id, Vgs 600 mOhm @ 11A, 20V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case TO-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)	700W (Tc)
Mounting Type Through Hole Supplier Device Package TO-264 (IXTK) Package / Case TO-264-3, TO-264AA	Rds On (Max) @ Id, Vgs	600 mOhm @ 11A, 20V
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?

IXTK22N100L 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.

IXTK22N100L Payment Methods





















IXTK22N100L Shipping Methods













If you have any question about IXTK22N100L, please do not hesitate to contact us!

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