



IXTN102N65X2 Information



For Reference Only

Part Number IXTN102N65X2

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 650V 76A X2 SOT-227

Package SOT-227-4, miniBLOC

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.









IXTN102N65X2 Specifications

Manufacturer Part Number IXTN102N65X2 Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SOT-227-4, miniBLOC Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 650V Current - Continuous Drain (Id) @ 25°C 76A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 152nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 10900pF @ 25V Vgs (Max) 25°C FET Feature - Power Dissipation (Max) 595W (Tc) Rds On (Max) @ Id, Vgs 30 mOhm @ 51A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single SOT-227-4, miniBLOC Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Toxin to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Toxin to Source Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 152nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 30 mOhm @ 51A, 10V Operating Temperature Mounting Type Chassis Mount Supplier Device Package Package / Case SOT-227-4, miniBLOC	Manufacturer Part Number	IXTN102N65X2
Package SOT-227-4, miniBLOC Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 650V Current - Continuous Drain (Id) @ 25°C 76A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 152nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 10900pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 595W (Tc) Rds On (Max) @ Id, Vgs 30 mOhm @ 51A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC	Manufacturer	IXYS
PackageSOT-227-4, miniBLOCSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)650VCurrent - Continuous Drain (Id) @ 25°C76ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs152nC @ 10VInput Capacitance (Ciss) (Max) @ Vds10900pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)595W (Tc)Rds On (Max) @ Id, Vgs30 mOhm @ 51A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227Package / CaseSOT-227-4, miniBLOC	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 650V Current - Continuous Drain (Id) @ 25°C 76A Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 152nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 10900pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 595W (Tc) Rds On (Max) @ Id, Vgs 30 mOhm @ 51A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)650VCurrent - Continuous Drain (Id) @ 25°C76ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs152nC @ 10VInput Capacitance (Ciss) (Max) @ Vds10900pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)595W (Tc)Rds On (Max) @ Id, Vgs30 mOhm @ 51A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227Package / CaseSOT-227-4, miniBLOC	Package	SOT-227-4, miniBLOC
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)650VCurrent - Continuous Drain (Id) @ 25°C76ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs152nC @ 10VInput Capacitance (Ciss) (Max) @ Vds10900pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)595W (Tc)Rds On (Max) @ Id, Vgs30 mOhm @ 51A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227Package / CaseSOT-227-4, miniBLOC	Series	-
Drain to Source Voltage (Vdss)650 VCurrent - Continuous Drain (Id) @ 25°C76ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs152nC @ 10VInput Capacitance (Ciss) (Max) @ Vds10900pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)595W (Tc)Rds On (Max) @ Id, Vgs30 mOhm @ 51A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227Package / CaseSOT-227-4, miniBLOC	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C76ADrive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs152nC @ 10VInput Capacitance (Ciss) (Max) @ Vds10900pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)595W (Tc)Rds On (Max) @ Id, Vgs30 mOhm @ 51A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227Package / CaseSOT-227-4, miniBLOC	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs152nC @ 10VInput Capacitance (Ciss) (Max) @ Vds10900pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)595W (Tc)Rds On (Max) @ Id, Vgs30 mOhm @ 51A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227Package / CaseSOT-227-4, miniBLOC	Drain to Source Voltage (Vdss)	650V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 152nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 10900pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Son (Max) @ Id, Vgs 30 mOhm @ 51A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC	Current - Continuous Drain (Id) @ 25°C	76A
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature John Chassis Mount Supplier Device Package SOT-227-4, miniBLOC	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 10900pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 30 mOhm @ 51A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC	Vgs(th) (Max) @ Id	5V @ 250μA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)595W (Tc)Rds On (Max) @ Id, Vgs30 mOhm @ 51A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227Package / CaseSOT-227-4, miniBLOC	Gate Charge (Qg) (Max) @ Vgs	152nC @ 10V
FET Feature - Power Dissipation (Max) 595W (Tc) Rds On (Max) @ Id, Vgs 30 mOhm @ 51A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC	Input Capacitance (Ciss) (Max) @ Vds	10900pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 30 mOhm @ 51A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs30 mOhm @ 51A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeChassis MountSupplier Device PackageSOT-227Package / CaseSOT-227-4, miniBLOC	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC	Power Dissipation (Max)	595W (Tc)
Mounting Type Chassis Mount Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC	Rds On (Max) @ Id, Vgs	30 mOhm @ 51A, 10V
Supplier Device Package SOT-227 Package / Case SOT-227-4, miniBLOC	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case SOT-227-4, miniBLOC	Mounting Type	Chassis Mount
	Supplier Device Package	SOT-227
Report errors?	Package / Case	SOT-227-4, miniBLOC
		Report errors?

IXTN102N65X2 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.

IXTN102N65X2 Payment Methods



















IXTN102N65X2 Shipping Methods













If you have any question about IXTN102N65X2, please do not hesitate to contact us!

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