



IXTT140N10P Information

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For Reference Only

Part Number IXTT140N10P

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 100V 140A TO-268

Package TO-268-3, D3Pak (2 Leads + Tab), TO-268AA

For the pricing/inventory/lead time, please contact

us

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



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IXTT140N10P Specifications

Manufacturer Part Number IXTT140N10P Manufacturer IXYS Category Discrete Semiconductor Products Package TO-268-3, D3Pak (2 Leads + Tab), TO-268AA Series PolarHT? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 140A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V, 15V Vgs(th) (Max) @ Id 5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 155nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 600W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 70A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-268 Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA		
Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-268-3, D3Pak (2 Leads + Tab), TO-268AA Series PolarHT? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 140A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V, 15V Vgs(th) (Max) @ Id 5v @ 250µA Gate Charge (Qg) (Max) @ Vgs 155nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 600W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 70A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-268 Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Manufacturer Part Number	IXTT140N10P
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Package TO-268-3, D3Pak (2 Leads + Tab), TO-268AA Series PolarHT? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 140A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V, 15V Vgs(th) (Max) @ Id Sv @ 250µA Gate Charge (Qg) (Max) @ Vgs 155nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4700pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) 600W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 70A, 10V Operating Temperature Surface Mount Supplier Device Package Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Category	Discrete Semiconductor Products
SeriesPolarHT?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C140A (Tc)Drive Voltage (Max Rds On, Min Rds On)10V, 15VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs155nC @ 10VInput Capacitance (Ciss) (Max) @ Vds4700pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)600W (Tc)Rds On (Max) @ Id, Vgs11 mOhm @ 70A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-268Package / CaseTO-268-3, D3Pak (2 Leads + Tab), TO-268AA		Transistors - FETs, MOSFETs - Single
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C140A (Tc)Drive Voltage (Max Rds On, Min Rds On)10V, 15VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs155nC @ 10VInput Capacitance (Ciss) (Max) @ Vds4700pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)600W (Tc)Rds On (Max) @ Id, Vgs11 mOhm @ 70A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-268Package / CaseTO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Series	PolarHT?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 140A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V, 15V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 155nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 600W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 70A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sv @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 70A, 10V Operating Temperature Surplier Device Package Package / Case 140A (Tc) 140	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10V, 15VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs155nC @ 10VInput Capacitance (Ciss) (Max) @ Vds4700pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)600W (Tc)Rds On (Max) @ Id, Vgs11 mOhm @ 70A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-268Package / CaseTO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id 5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 155nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 600W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 70A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-268 Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Current - Continuous Drain (Id) @ 25°C	140A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 4700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 70A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Drive Voltage (Max Rds On, Min Rds On)	10V, 15V
Input Capacitance (Ciss) (Max) @ Vds 4700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 600W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 70A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-268 Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Vgs(th) (Max) @ Id	5V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)600W (Tc)Rds On (Max) @ Id, Vgs11 mOhm @ 70A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-268Package / CaseTO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Gate Charge (Qg) (Max) @ Vgs	155nC @ 10V
FET Feature - Power Dissipation (Max) 600W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 70A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-268 Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Input Capacitance (Ciss) (Max) @ Vds	4700pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 70A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-268 Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs 11 mOhm @ 70A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount TO-268 Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount TO-268 Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Power Dissipation (Max)	600W (Tc)
Mounting Type Surface Mount TO-268 Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Rds On (Max) @ Id, Vgs	11 mOhm @ 70A, 10V
Supplier Device Package TO-268 Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-268-3, D3Pak (2 Leads + Tab), TO-268AA	Mounting Type	Surface Mount
	Supplier Device Package	TO-268
Report errors?	Package / Case	TO-268-3, D3Pak (2 Leads + Tab), TO-268AA
		Report errors?

IXTT140N10P 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.

IXTT140N10P Payment Methods



















IXTT140N10P Shipping Methods













If you have any question about IXTT140N10P, please do not hesitate to contact us!

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